



ANALYTICAL DATA REPORT

JMC Environmental Consultants
2109 Bridge Avenue
Building B
Point Pleasant, NJ 08742

Project Name: **ARSYNCO**
IAL Case Number: **E13-11775**

These data have been reviewed and accepted by:

A handwritten signature in black ink, appearing to read "Michael H. Lefrin".

Michael H. Lefrin, Ph.D.
Laboratory Director

This report shall not be reproduced, except in its entirety, without the written consent of Integrated Analytical Laboratories, LLC. The test results included in this report relate only to the samples analyzed. The results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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IAL is a NELAC New Jersey Certified Lab (14751) and maintains certification in Connecticut (PH-0699), New York (11402), Rhode Island (00126), Pennsylvania (68-00773) and in the Department of Navy IR QA Program

Sample Summary

IAL Case No.

E13-11775

Client JMC Environmental Consultants

Project ARSYNCQ

Received On 11/25/2013@17:05

<u>Lab ID</u>	<u>Client Sample ID</u>	<u>Depth Top/Bottom</u>	<u>Sampling Time</u>	<u>Matrix</u>	<u># of Container</u>
11775-001	HH-40 (2.0-3.0)	2/3	11/25/2013@09:25	Soil	1
11775-002	HH-40 (3.0-4.0)	3/4	11/25/2013@09:26	Soil	1
11775-003	HH-44 (2.0-3.0)	2/3	11/25/2013@09:56	Soil	1
11775-004	HH-44 (3.0-4.0)	3/4	11/25/2013@09:58	Soil	1
11775-005	BB-48 (2.0-3.0)	2/3	11/25/2013@10:30	Soil	1
11775-006	BB-48 (3.0-4.0)	3/4	11/25/2013@10:31	Soil	1
11775-007	AA-49 (1.0-2.0)	1/2	11/25/2013@10:56	Soil	1
11775-008	AA-49 (0-1.0)	0/1	11/25/2013@10:55	Soil	1
11775-009	CC-46 (1.0-2.0)	1/2	11/25/2013@11:35	Soil	1
11775-010	CC-46 (2.0-3.0)	2/3	11/25/2013@11:37	Soil	1
11775-011	DD-46 (1.0-2.0)	1/2	11/25/2013@12:15	Soil	1
11775-012	DD-46 (2.0-3.0)	2/3	11/25/2013@12:16	Soil	1
11775-013	FF-45E (2.0-3.0)	2/3	11/25/2013@13:28	Soil	1
11775-014	FF-45E (3.0-4.0)	3/4	11/25/2013@13:29	Soil	1
11775-015	FF-45S (2.0-3.0)	2/3	11/25/2013@13:55	Soil	1
11775-016	FF-45S (3.0-4.0)	3/4	11/25/2013@13:57	Soil	1
11775-017	FF-46 (2.0-3.0)	2/3	11/25/2013@14:18	Soil	1
11775-018	GG-47 (0-1.0)	0/1	11/25/2013@14:48	Soil	1
11775-019	FB-38	n/a	11/25/2013@15:05	Aqueous	2

INTEGRATED ANALYTICAL LABORATORIES, LLC.

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This report was finalized on January 23, 2014

* Methodology is included in the IAL Project Information Page

INTEGRATED ANALYTICAL LABORATORIES, LLC.

DEFINITIONS / QUALIFIERS

DATA QUALIFIERS

- B** Indicates the analyte was found in the associated method blank as well as in the sample.
It indicates probable laboratory contamination.
- C** Indicates analyte is a common laboratory contaminant.
- D** Indicates analyte was reported from diluted analysis.
- E** Identifies a compound concentration that exceeds the upper level of the calibration range of the instrument.
- J** Indicates an estimated value. This flag is used when the concentration in the sample is below the RL but above the MDL or for qualification of tentatively identified compounds.
- N** Presumptive evidence of a compound from the use of GC/MS library search.
- X** Indicates samples analyzed for total and dissolved metals differ at $\leq 20\%$ RPD.
- Z** Indicates internal standard failure. Sample results are either biased high or biased low.

REPORTING DEFINITIONS

RL Reporting Limit. The RL is determined by the lowest concentration in the calibration curve. For most Wet Chemistry methods, the RL is defined by using the PQL.

MDL Method Detection Limit as determined according to 40CFR Part 136 Appendix B.

PQL Practical Quantitation Limit. Usually defined as a value 3-5 times the MDL.

ND Indicates analyte was analyzed for but not detected above the MDL.

DF Dilution Factor

LCS Laboratory Control Sample

LCSD Laboratory Control Sample Duplicate

MS Matrix Spike

MSD Matrix Spike Duplicate

DUP Duplicate

CONFORMANCE / NON-CONFORMANCE SUMMARIES

INTEGRATED ANALYTICAL LABORATORIES, LLC.

CONFORMANCE / NONCONFORMANCE SUMMARY

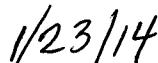
Integrated Analytical Laboratories, LLC. received one (1) aqueous and eighteen (18) soil sample(s) from JMC Environmental Consultants (IAL SDG # E13-11775, Project: ARSYNCO) on November 25, 2013 for the analysis of:

(16) TCL PCB

A review of the QA/QC measures for the analysis of the sample(s) contained in this report has been performed by:



Reviewed by



Date

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E13-11775

PCB By 8082A

Batch ID: 131204-08	Matrix: Soil
----------------------------	---------------------

- QC**
- Calibration Curve met QC criteria.
 - Surrogate Percent Recovery did not meet QC criteria. Surrogate did not pass QC limits due to matrix interference for samples 007,008,009,011,015.
 - Method Blank met QC criteria.
 - LCS Percent Recovery met QC criteria.
 - MS/MSD Percent Recovery met QC criteria.
 - RPD between MS/MSD met QC criteria.
 - The following samples were cleaned up using method 3660B to remove sulfur: 001, 002, 003, 004, 005, 006, 007, 008, 009, 010, 011, 012, 013, 014, 015, 016, 017, 018
- E13-11775**
- All samples were extracted within holding time.
 - All samples were analyzed within holding time.
 - Retention Time Shift met QC criteria.
 - No dilution was performed for samples 002-014, 016,-018. Sample 001 was diluted 10x for target compound; 015 was diluted 40x for target compound.



12/5/2013

Page 1 of 1

Signature

Date

E13-11775 0004

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E13-11775

PCB By 8082A

Batch ID: 131127-12

Matrix: Aqueous

- | | |
|------------------|---|
| QC | <ul style="list-style-type: none">- Calibration Curve met QC criteria.- Surrogate Percent Recovery met QC criteria.- Method Blank met QC criteria.- LCS Percent Recovery met QC criteria.- MS/MSD Percent Recovery did not meet QC criteria. Due to matrix interference.- RPD between MS/MSD met QC criteria.- The following samples were cleaned up using method 3660B to remove sulfur: 019- The following samples were cleaned up using method 3665A: 019 |
| E13-11775 | <ul style="list-style-type: none">- All samples were extracted within holding time.- All samples were analyzed within holding time.- Retention Time Shift met QC criteria.- No dilution was performed for sample 019. |

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E13-11775

PCB By 8082A

Batch ID: 131204-08

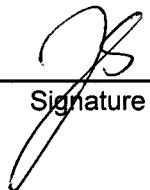
Matrix: Soil

QC

- Calibration Curve met QC criteria.
- Surrogate Percent Recovery did not meet QC criteria. Surrogate did not pass QC limits due to matrix interference for samples 007,008,009,011,015.
- Method Blank met QC criteria.
- LCS Percent Recovery met QC criteria.
- MS/MSD Percent Recovery met QC criteria.
- RPD between MS/MSD met QC criteria.
- The following samples were cleaned up using method 3660B to remove sulfur: 001, 002, 003, 004, 005, 006, 007, 008, 009, 010, 011, 012, 013, 014, 015, 016, 017, 018

E13-11775

- All samples were extracted within holding time.
- All samples were analyzed within holding time.
- Retention Time Shift met QC criteria.
- No dilution was performed for samples 002-014, 016-018. Sample 001 was diluted 10x for target compound; 015 was diluted 40x for target compound.



Signature

12/19/2013

Date

RESULTS SUMMARY REPORT

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT

Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E13-11775

Lab ID:	11775-019								
Client ID:	FB-38								
Matrix:	Aqueous								
Sampled Date	11/25/13								
PARAMETER(Units)	Conc	Q	MDL						
PCB's (Units)	<i>(mg/L)</i>								
Aroclor-1016	ND	0.00002							
Aroclor-1221	ND	0.00002							
Aroclor-1232	ND	0.00002							
Aroclor-1242	ND	0.00002							
Aroclor-1248	ND	0.00002							
Aroclor-1254	ND	0.00002							
Aroclor-1260	ND	0.00002							
Aroclor-1262	ND	0.00002							
Aroclor-1268	ND	0.00002							
PCBs	ND	0.00002							
Lab ID:	11775-001	11775-002	11775-003	11775-004					
Client ID:	HH-40 (2.0-3.0)	HH-40 (3.0-4.0)	HH-44 (2.0-3.0)	HH-44 (3.0-4.0)					
Depth:	2/3	3/4	2/3	3/4					
Matrix:	Soil	Soil	Soil	Soil					
Sampled Date	11/25/13	11/25/13	11/25/13	11/25/13					
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
PCB's (Units)	<i>(mg/Kg)</i>			<i>(mg/Kg)</i>			<i>(mg/Kg)</i>		
Aroclor-1016	ND	0.019	ND	0.020	ND	0.021	~	~	
Aroclor-1221	ND	0.019	ND	0.020	ND	0.021	~	~	
Aroclor-1232	ND	0.019	ND	0.020	ND	0.021	~	~	
Aroclor-1242	ND	0.019	ND	0.020	ND	0.021	~	~	
Aroclor-1248	25.2	D	0.189	2.41	0.020	0.580	0.021	~	~
Aroclor-1254	ND	0.019	ND	0.020	ND	0.021	~	~	
Aroclor-1260	ND	0.019	ND	0.020	ND	0.021	~	~	
Aroclor-1262	ND	0.019	ND	0.020	ND	0.021	~	~	
Aroclor-1268	ND	0.019	ND	0.020	ND	0.021	~	~	
PCBs	25.2	D	0.189	2.41	0.020	0.580	0.021	~	~

~ = Sample not analyzed for

ND = Analyzed for but Not Detected at the MDL

D = The compound was reported from the Diluted analysis

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E13-11775

PARAMETER(Units)	Lab ID:	11775-005			11775-006			11775-007			11775-008		
	Client ID:	BB-48 (2.0-3.0)			BB-48 (3.0-4.0)			AA-49 (1.0-2.0)			AA-49 (0-1.0)		
Sampled Date	Depth:	2/3				3/4				1/2			
	Matrix:	Soil			Soil			Soil			Soil		
		11/25/13				11/25/13				11/25/13			
			Conc	Q	MDL		Conc	Q	MDL		Conc	Q	MDL
			(mg/Kg)				(mg/Kg)				(mg/Kg)		(mg/Kg)
PCB's (Units)													
Aroclor-1016			ND	0.020		~	~		ND	0.088	ND	0.058	
Aroclor-1221			ND	0.020		~	~		ND	0.088	ND	0.058	
Aroclor-1232			ND	0.020		~	~		ND	0.088	ND	0.058	
Aroclor-1242			ND	0.020		~	~		ND	0.088	ND	0.058	
Aroclor-1248			ND	0.020		~	~		3.97	0.088	3.86	0.058	
Aroclor-1254			ND	0.020		~	~		ND	0.088	ND	0.058	
Aroclor-1260			ND	0.020		~	~		ND	0.088	ND	0.058	
Aroclor-1262			ND	0.020		~	~		ND	0.088	ND	0.058	
Aroclor-1268			ND	0.020		~	~		ND	0.088	ND	0.058	
PCBs			ND	0.020		~	~		3.97	0.088	3.86	0.058	
PCB's (Units)													
Aroclor-1016			ND	0.081		ND	0.019		ND	0.092	ND	0.020	
Aroclor-1221			ND	0.081		ND	0.019		ND	0.092	ND	0.020	
Aroclor-1232			ND	0.081		ND	0.019		ND	0.092	ND	0.020	
Aroclor-1242			ND	0.081		ND	0.019		ND	0.092	ND	0.020	
Aroclor-1248			ND	0.081		ND	0.019		1.04	0.092	ND	0.020	
Aroclor-1254			ND	0.081		ND	0.019		ND	0.092	ND	0.020	
Aroclor-1260			ND	0.081		ND	0.019		ND	0.092	ND	0.020	
Aroclor-1262			ND	0.081		ND	0.019		ND	0.092	ND	0.020	
Aroclor-1268			ND	0.081		ND	0.019		ND	0.092	ND	0.020	
PCBs			ND	0.081		ND	0.019		1.04	0.092	ND	0.020	

~ = Sample not analyzed for

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E13-11775

PARAMETER(Units)	Lab ID:	11775-013			11775-014			11775-015			11775-016					
	Client ID:	FF-45E (2.0-3.0)			Depth:	FF-45E (3.0-4.0)			Matrix:	FF-45S (2.0-3.0)			Depth:	FF-45S (3.0-4.0)		
Sampled Date	2/3	Soil			3/4	Soil			2/3	Soil			3/4	Soil		
		11/25/13				11/25/13			11/25/13				11/25/13			
		Conc	Q	MDL		Conc	Q	MDL		Conc	Q	MDL		Conc	Q	MDL
PCB's (Units)	<i>(mg/Kg)</i>			<i>(mg/Kg)</i>			<i>(mg/Kg)</i>			<i>(mg/Kg)</i>			<i>(mg/Kg)</i>			
Aroclor-1016	ND	0.019		~	~	~	ND	0.039	ND	0.018						
Aroclor-1221	ND	0.019		~	~	~	ND	0.039	ND	0.018						
Aroclor-1232	ND	0.019		~	~	~	ND	0.039	ND	0.018						
Aroclor-1242	ND	0.019		~	~	~	ND	0.039	ND	0.018						
Aroclor-1248	ND	0.019		~	~	~	198	D 1.55	0.244	0.018						
Aroclor-1254	ND	0.019		~	~	~	ND	0.039	ND	0.018						
Aroclor-1260	ND	0.019		~	~	~	ND	0.039	ND	0.018						
Aroclor-1262	ND	0.019		~	~	~	ND	0.039	ND	0.018						
Aroclor-1268	ND	0.019		~	~	~	ND	0.039	ND	0.018						
PCBs	ND	0.019		~	~	~	198	D 1.55	0.244	0.018						
PCB's (Units)	<i>(mg/Kg)</i>			<i>(mg/Kg)</i>			<i>(mg/Kg)</i>			<i>(mg/Kg)</i>			<i>(mg/Kg)</i>			
Aroclor-1016	ND	0.018		ND	0.015											
Aroclor-1221	ND	0.018		ND	0.015											
Aroclor-1232	ND	0.018		ND	0.015											
Aroclor-1242	ND	0.018		ND	0.015											
Aroclor-1248	ND	0.018		ND	0.015											
Aroclor-1254	ND	0.018		ND	0.015											
Aroclor-1260	ND	0.018		ND	0.015											
Aroclor-1262	ND	0.018		ND	0.015											
Aroclor-1268	ND	0.018		ND	0.015											
PCBs	ND	0.018		ND	0.015											

~ = Sample not analyzed for

ND = Analyzed for but Not Detected at the MDL

D = The compound was reported from the Diluted analysis

ANALYTICAL RESULTS

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-11775-001
Client ID: HH-40_(2
Date Received: 11/25/2013
Date Extracted: 12/04/2013
Date Analyzed: 12/04/2013
Data file: R5686.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.56g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 23.8

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.047	0.019
Aroclor-1221	ND		0.047	0.019
Aroclor-1232	ND		0.047	0.019
Aroclor-1242	ND		0.047	0.019
Aroclor-1248	19.9	E	0.047	0.019
Aroclor-1254	ND		0.047	0.019
Aroclor-1260	ND		0.047	0.019
Aroclor-1262	ND		0.047	0.019
Aroclor-1268	ND		0.047	0.019
PCBs	19.9	E	0.047	0.019

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-11775-001DL
Client ID: HH-40_2
Date Received: 11/25/2013
Date Extracted: 12/04/2013
Date Analyzed: 12/05/2013
Data file: R5707.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.56g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 23.8

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.472	0.189
Aroclor-1221	ND		0.472	0.189
Aroclor-1232	ND		0.472	0.189
Aroclor-1242	ND		0.472	0.189
Aroclor-1248	25.2	D	0.472	0.189
Aroclor-1254	ND		0.472	0.189
Aroclor-1260	ND		0.472	0.189
Aroclor-1262	ND		0.472	0.189
Aroclor-1268	ND		0.472	0.189
PCBs	25.2	D	0.472	0.189

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-11775-002
Client ID: HH-40_(3
Date Received: 11/25/2013
Date Extracted: 12/04/2013
Date Analyzed: 12/04/2013
Data file: R5687.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.12g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 22.1

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.050	0.020
Aroclor-1221	ND		0.050	0.020
Aroclor-1232	ND		0.050	0.020
Aroclor-1242	ND		0.050	0.020
Aroclor-1248	2.41		0.050	0.020
Aroclor-1254	ND		0.050	0.020
Aroclor-1260	ND		0.050	0.020
Aroclor-1262	ND		0.050	0.020
Aroclor-1268	ND		0.050	0.020
PCBs	2.41		0.050	0.020

D --- Dilution Performed

J --- Value Less than RL & greater than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-11775-003

Client ID: HH-44_(2

Date Received: 11/25/2013

Date Extracted: 12/04/2013

Date Analyzed: 12/05/2013

Data file: R5709.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.13g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 25.9

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.053	0.021
Aroclor-1221	ND		0.053	0.021
Aroclor-1232	ND		0.053	0.021
Aroclor-1242	ND		0.053	0.021
Aroclor-1248	0.580		0.053	0.021
Aroclor-1254	ND		0.053	0.021
Aroclor-1260	ND		0.053	0.021
Aroclor-1262	ND		0.053	0.021
Aroclor-1268	ND		0.053	0.021
PCBs	0.580		0.053	0.021

D --- Dilution Performed

B --- Compound detected in Blank

J --- Value Less than RL & great than MDL

C --- Common laboratory contamination

E --- Exceeds upper level of Calibration curve

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-11775-005
Client ID: BB-48_(2
Date Received: 11/25/2013
Date Extracted: 12/04/2013
Date Analyzed: 12/04/2013
Data file: R5690.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.31g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 23.5

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.049	0.020
Aroclor-1221	ND		0.049	0.020
Aroclor-1232	ND		0.049	0.020
Aroclor-1242	ND		0.049	0.020
Aroclor-1248	ND		0.049	0.020
Aroclor-1254	ND		0.049	0.020
Aroclor-1260	ND		0.049	0.020
Aroclor-1262	ND		0.049	0.020
Aroclor-1268	ND		0.049	0.020
PCBs	ND		0.049	0.020

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-11775-007
Client ID: AA-49_1
Date Received: 11/25/2013
Date Extracted: 12/04/2013
Date Analyzed: 12/04/2013
Data file: R5692.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.19g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 82.5

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.220	0.088
Aroclor-1221	ND		0.220	0.088
Aroclor-1232	ND		0.220	0.088
Aroclor-1242	ND		0.220	0.088
Aroclor-1248	3.97		0.220	0.088
Aroclor-1254	ND		0.220	0.088
Aroclor-1260	ND		0.220	0.088
Aroclor-1262	ND		0.220	0.088
Aroclor-1268	ND		0.220	0.088
PCBs	3.97		0.220	0.088

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-11775-008
Client ID: AA-49_(0
Date Received: 11/25/2013
Date Extracted: 12/04/2013
Date Analyzed: 12/05/2013
Data file: R5693.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.13g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 73.3

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.146	0.058
Aroclor-1221	ND		0.146	0.058
Aroclor-1232	ND		0.146	0.058
Aroclor-1242	ND		0.146	0.058
Aroclor-1248	3.86		0.146	0.058
Aroclor-1254	ND		0.146	0.058
Aroclor-1260	ND		0.146	0.058
Aroclor-1262	ND		0.146	0.058
Aroclor-1268	ND		0.146	0.058
PCBs	3.86		0.146	0.058

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-11775-009
Client ID: CC-46_(1
Date Received: 11/25/2013
Date Extracted: 12/04/2013
Date Analyzed: 12/05/2013
Data file: R5711.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.55g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 82.2

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.202	0.081
Aroclor-1221	ND		0.202	0.081
Aroclor-1232	ND		0.202	0.081
Aroclor-1242	ND		0.202	0.081
Aroclor-1248	ND		0.202	0.081
Aroclor-1254	ND		0.202	0.081
Aroclor-1260	ND		0.202	0.081
Aroclor-1262	ND		0.202	0.081
Aroclor-1268	ND		0.202	0.081
PCBs	ND		0.202	0.081

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-11775-010
Client ID: CC-46_(2
Date Received: 11/25/2013
Date Extracted: 12/04/2013
Date Analyzed: 12/05/2013
Data file: R5695.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.58g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 24.4

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.047	0.019
Aroclor-1221	ND		0.047	0.019
Aroclor-1232	ND		0.047	0.019
Aroclor-1242	ND		0.047	0.019
Aroclor-1248	ND		0.047	0.019
Aroclor-1254	ND		0.047	0.019
Aroclor-1260	ND		0.047	0.019
Aroclor-1262	ND		0.047	0.019
Aroclor-1268	ND		0.047	0.019
PCBs	ND		0.047	0.019

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-11775-011
Client ID: DD-46_(1
Date Received: 11/25/2013
Date Extracted: 12/04/2013
Date Analyzed: 12/05/2013
Data file: R5696.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.35g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 83.8

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.231	0.092
Aroclor-1221	ND		0.231	0.092
Aroclor-1232	ND		0.231	0.092
Aroclor-1242	ND		0.231	0.092
Aroclor-1248	1.04		0.231	0.092
Aroclor-1254	ND		0.231	0.092
Aroclor-1260	ND		0.231	0.092
Aroclor-1262	ND		0.231	0.092
Aroclor-1268	ND		0.231	0.092
PCBs	1.04		0.231	0.092

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-11775-012
Client ID: DD-46_2
Date Received: 11/25/2013
Date Extracted: 12/04/2013
Date Analyzed: 12/05/2013
Data file: R5697.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.26g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 24.7

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.051	0.020
Aroclor-1221	ND		0.051	0.020
Aroclor-1232	ND		0.051	0.020
Aroclor-1242	ND		0.051	0.020
Aroclor-1248	ND		0.051	0.020
Aroclor-1254	ND		0.051	0.020
Aroclor-1260	ND		0.051	0.020
Aroclor-1262	ND		0.051	0.020
Aroclor-1268	ND		0.051	0.020
PCBs	ND		0.051	0.020

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-11775-013
Client ID: FF-45E_(
Date Received: 11/25/2013
Date Extracted: 12/04/2013
Date Analyzed: 12/05/2013
Data file: R5712.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.55g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 22.7

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.047	0.019
Aroclor-1221	ND		0.047	0.019
Aroclor-1232	ND		0.047	0.019
Aroclor-1242	ND		0.047	0.019
Aroclor-1248	ND		0.047	0.019
Aroclor-1254	ND		0.047	0.019
Aroclor-1260	ND		0.047	0.019
Aroclor-1262	ND		0.047	0.019
Aroclor-1268	ND		0.047	0.019
PCBs	ND		0.047	0.019

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-11775-015

Client ID: FF-45S_(

Date Received: 11/25/2013

Date Extracted: 12/04/2013

Date Analyzed: 12/05/2013

Data file: R5700.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.31g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 61.2

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.097	0.039
Aroclor-1221	ND		0.097	0.039
Aroclor-1232	ND		0.097	0.039
Aroclor-1242	ND		0.097	0.039
Aroclor-1248	140	E	0.097	0.039
Aroclor-1254	ND		0.097	0.039
Aroclor-1260	ND		0.097	0.039
Aroclor-1262	ND		0.097	0.039
Aroclor-1268	ND		0.097	0.039
PCBs	140	E	0.097	0.039

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-11775-015DL
Client ID: FF-45S_(
Date Received: 11/25/2013
Date Extracted: 12/04/2013
Date Analyzed: 12/05/2013
Data file: R5708.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.31g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 40
% Moisture: 61.2

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		3.88	1.55
Aroclor-1221	ND		3.88	1.55
Aroclor-1232	ND		3.88	1.55
Aroclor-1242	ND		3.88	1.55
Aroclor-1248	198	D	3.88	1.55
Aroclor-1254	ND		3.88	1.55
Aroclor-1260	ND		3.88	1.55
Aroclor-1262	ND		3.88	1.55
Aroclor-1268	ND		3.88	1.55
PCBs	198	D	3.88	1.55

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-11775-016
Client ID: FF-45S_(
Date Received: 11/25/2013
Date Extracted: 12/04/2013
Date Analyzed: 12/05/2013
Data file: R5706.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.59g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 21.2

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.045	0.018
Aroclor-1221	ND		0.045	0.018
Aroclor-1232	ND		0.045	0.018
Aroclor-1242	ND		0.045	0.018
Aroclor-1248	0.244		0.045	0.018
Aroclor-1254	ND		0.045	0.018
Aroclor-1260	ND		0.045	0.018
Aroclor-1262	ND		0.045	0.018
Aroclor-1268	ND		0.045	0.018
PCBs	0.244		0.045	0.018

D --- Dilution Performed

J --- Value Less than RL & greater than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-11775-017
Client ID: FF-46_2
Date Received: 11/25/2013
Date Extracted: 12/04/2013
Date Analyzed: 12/05/2013
Data file: R5714.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.73g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 23.3

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.045	0.018
Aroclor-1221	ND		0.045	0.018
Aroclor-1232	ND		0.045	0.018
Aroclor-1242	ND		0.045	0.018
Aroclor-1248	ND		0.045	0.018
Aroclor-1254	ND		0.045	0.018
Aroclor-1260	ND		0.045	0.018
Aroclor-1262	ND		0.045	0.018
Aroclor-1268	ND		0.045	0.018
PCBs	ND		0.045	0.018

D --- Dilution Performed

J --- Value Less than RL & greater than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-11775-018
Client ID: GG-47_0
Date Received: 11/25/2013
Date Extracted: 12/04/2013
Date Analyzed: 12/05/2013
Data file: R5703.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.88g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 8.10

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.037	0.015
Aroclor-1221	ND		0.037	0.015
Aroclor-1232	ND		0.037	0.015
Aroclor-1242	ND		0.037	0.015
Aroclor-1248	ND		0.037	0.015
Aroclor-1254	ND		0.037	0.015
Aroclor-1260	ND		0.037	0.015
Aroclor-1262	ND		0.037	0.015
Aroclor-1268	ND		0.037	0.015
PCBs	ND		0.037	0.015

D --- Dilution Performed

B --- Compound detected in Blank

J --- Value Less than RL & great than MDL

C --- Common laboratory contamination

E --- Exceeds upper level of Calibration curve

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-11775-019
Client ID: FB-38
Date Received: 11/25/2013
Date Extracted: 11/27/2013
Date Analyzed: 12/02/2013
Data file: R5619.D

GC Column: DB-5/DB1701P
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-mg/L (ppm)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.00005	0.00002
Aroclor-1221	ND		0.00005	0.00002
Aroclor-1232	ND		0.00005	0.00002
Aroclor-1242	ND		0.00005	0.00002
Aroclor-1248	ND		0.00005	0.00002
Aroclor-1254	ND		0.00005	0.00002
Aroclor-1260	ND		0.00005	0.00002
Aroclor-1262	ND		0.00005	0.00002
Aroclor-1268	ND		0.00005	0.00002
PCBs	ND		0.00005	0.00002

D --- Dilution Performed

B --- Compound detected in Blank

J --- Value Less than RL & great than MDL

C --- Common laboratory contamination

E --- Exceeds upper level of Calibration curve

PCB DATA

PCB QC SUMMARY

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 12/02/2013

Client ID	Sample ID	Matrix	TCMX 1		DCB 1		TCMX 2		DCB 2	
			% rec	#	% rec	#	% rec	#	% rec	#
PCB	BLKA131127-12	AQUEOUS	100		93		118		105	
PCB	LCSA131127-12	AQUEOUS	95		86		107		100	
VPS-M_&_	E13-11653-008	AQUEOUS	86		84		98		108	
PCB	11653-008MS	AQUEOUS	89		87		101		103	
PCB	11653-008MSD	AQUEOUS	93		92		102		112	
MW-28/13	E13-11582-001	AQUEOUS	73		63		78		76	
MW-30/14	E13-11582-002	AQUEOUS	86		68		92		77	
FB-2	E13-11652-004	AQUEOUS	88		65		99		83	
BES-TWP-	E13-11677-001	AQUEOUS	89		79		102		97	
FB_(11-2	E13-11741-036	AQUEOUS	102		88		117		106	
FB-38	E13-11775-019	AQUEOUS	99		82		114		103	
FB-39	E13-11822-020	AQUEOUS	87		75		101		90	
MW-28/13	E13-11582-001DL	AQUEOUS	0	D	0	D	0	D	0	D
MW-30/14	E13-11582-002DL	AQUEOUS	89		87		103		93	

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

DCB = Decachlorobiphenyl

Soil

30-150

30-150

Aqueous/Leachate

30-150

30-150

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 12/04/2013

Client ID	Sample ID	Matrix	TCMX 1		DCB 1		TCMX 2		DCB 2	
			% rec	#	% rec	#	% rec	#	% rec	#
PCB	BLKS131204-08	SOIL	116		100		135		111	
PCB	LCSS131204-08	SOIL	116		108		133		107	
WO-4	E13-11599-004	SOIL	122		123		138		130	
PCB	11599-004MS	SOIL	120		102		134		124	
PCB	11599-004MSD	SOIL	120		110		134		122	
HH-40_(2	E13-11775-001	SOIL	106		115		119		130	
HH-40_(3	E13-11775-002	SOIL	118		113		136		136	
BB-48_(2	E13-11775-005	SOIL	123		104		139		114	
BB-48_(3	E13-11775-006	SOIL	125		125		142		122	
AA-49_(1	E13-11775-007	SOIL	155	M	136		183	M	144	
AA-49_(0	E13-11775-008	SOIL	145		126		166	M	148	
CC-46_(2	E13-11775-010	SOIL	124		122		142		116	
DD-46_(1	E13-11775-011	SOIL	157	M	144		183	M	148	
DD-46_(2	E13-11775-012	SOIL	124		112		141		114	
FF-45S_(	E13-11775-015	SOIL	128		113		129		101	
GG-47_(0	E13-11775-018	SOIL	114		96		128		111	

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

DCB = Decachlorobiphenyl

Soil **Aqueous/Leachate**

30-150 30-150

30-150 30-150

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 12/04/2013

Client ID	Lab	Matrix	TCMX 1		DCB 1		TCMX 2		DCB 2	
			% rec	#	% rec	#	% rec	#	% rec	#
PCB	BLKS131204-08	SOIL	116		100		135		111	
FF-45S_(	E13-11775-016	SOIL	123		103		144		124	
HH-40_(2	E13-11775-001DL	SOIL	125		98		148		132	
FF-45S_(	E13-11775-015DL	SOIL	152	M	120		160	M	1084	M
HH-44_(2	E13-11775-003	SOIL	127		93		144		119	
HH-44_(3	E13-11775-004	SOIL	127		110		146		116	
CC-46_(1	E13-11775-009	SOIL	165	M	132		192	M	150	
FF-45E_(	E13-11775-013	SOIL	126		102		146		105	
FF-45E_(	E13-11775-014	SOIL	125		94		144		117	
FF-46_(2	E13-11775-017	SOIL	128		99		148		114	

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

DCB = Decachlorobiphenyl

Soil Aqueous/Leachate

30-150 30-150

30-150 30-150

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 12/04/2013

Client ID	Sample ID	Matrix	TCMX 1		DCB 1		TCMX 2		DCB 2	
			% rec	#	% rec	#	% rec	#	% rec	#
PCB	BLKS131204-08	SOIL	116		100		135		111	
PCB	LCSS131204-08	SOIL	116		108		133		107	
WO-4	E13-11599-004	SOIL	122		123		138		130	
PCB	11599-004MS	SOIL	120		102		134		124	
PCB	11599-004MSD	SOIL	120		110		134		122	
HH-40_(2	E13-11775-001	SOIL	106		115		119		130	
HH-40_(3	E13-11775-002	SOIL	118		113		136		136	
BB-48_(2	E13-11775-005	SOIL	123		104		139		114	
BB-48_(3	E13-11775-006	SOIL	125		125		142		122	
AA-49_(1	E13-11775-007	SOIL	155	M	136		183	M	144	
AA-49_(0	E13-11775-008	SOIL	145		126		166	M	148	
CC-46_(2	E13-11775-010	SOIL	124		122		142		116	
DD-46_(1	E13-11775-011	SOIL	157	M	144		183	M	148	
DD-46_(2	E13-11775-012	SOIL	124		112		141		114	
FF-45S_(	E13-11775-015	SOIL	128		113		129		101	
GG-47_(0	E13-11775-018	SOIL	114		96		128		111	

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

DCB = Decachlorobiphenyl

Soil

30-150

Aqueous/Leachate

30-150

30-150

30-150

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 12/04/2013

Client ID	Sample ID	Matrix	TCMX 1		DCB 1		TCMX 2		DCB 2	
			% rec	#	% rec	#	% rec	#	% rec	#
PCB	BLKS131204-08	SOIL	116		100		135		111	
FF-45S_(2)	E13-11775-016	SOIL	123		103		144		124	
HH-40_(2)	E13-11775-001DL	SOIL	125		98		148		132	
FF-45S_(2)	E13-11775-015DL	SOIL	152	M	120		160	M	1084	M
HH-44_(2)	E13-11775-003	SOIL	127		93		144		119	
HH-44_(3)	E13-11775-004	SOIL	127		110		146		116	
CC-46_(1)	E13-11775-009	SOIL	165	M	132		192	M	150	
FF-45E_(2)	E13-11775-013	SOIL	126		102		146		105	
FF-45E_(2)	E13-11775-014	SOIL	125		94		144		117	
FF-46_(2)	E13-11775-017	SOIL	128		99		148		114	

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

DCB = Decachlorobiphenyl

Soil

30-150

Aqueous/Leachate

30-150

30-150

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

AQUEOUS PCB LCS ACCURACY RECOVERY

Matrix spike Lab sample ID:

LCSA131127-12

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	537.3	107	40 - 140
Aroclor-1260	500.0	0.0	665.8	133	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

Spike Recovery: 0 out of 2 outside limits

SOIL PCB LCS ACCURACY RECOVERY

Matrix spike Lab sample ID:

LCSS131204-08

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	475.5	95	40 - 140
Aroclor-1260	500.0	0.0	543.2	109	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

Spike Recovery: 0 out of 2 outside limits

SOIL PCB LCS ACCURACY RECOVERY

Matrix spike Lab sample ID: LCSS131204-08

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	475.5	95	40 - 140
Aroclor-1260	500.0	0.0	543.2	109	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

Spike Recovery: 0 out of 2 outside limits

AQUEOUS PCB MS/MSD ACCURACY RECOVERY

Matrix spike Lab sample ID:

11653-008

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	504.0	101	40 - 140
Aroclor-1260	500.0	0.0	632.5	127	40 - 140

Compound	SAMPLE CONC. (ug/L)	MSD CONC. (ug/L)	MSD #	% REC	% RPD #	QC LIMITS RPD	REC.
Aroclor-1016	0.0	631.3	126	22	50	40 - 140	
Aroclor-1260	0.0	820.5	*	164	25	50	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: 0 out of 2 outside limits

Spike Recovery: 1 out of 4 outside limits

SOIL PCB MS/MSD ACCURACY RECOVERY

Matrix spike Lab sample ID: E13-11599-004

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	479.2	96	40 - 140
Aroclor-1260	500.0	0.0	560.0	112	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	MSD % # REC	% RPD #	QC LIMITS RPD	REC.
Aroclor-1016	0.0	468.3	94	2	50	40 - 140
Aroclor-1260	0.0	568.6	114	2	50	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

SOIL PCB MS/MSD ACCURACY RECOVERY

Matrix spike Lab sample ID:

E13-11599-004

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	479.2	96	40 - 140
Aroclor-1260	500.0	0.0	560.0	112	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	MSD #	% REC	% RPD #	QC LIMITS RPD	REC.
Aroclor-1016	0.0	468.3	94	2	50	40 - 140	
Aroclor-1260	0.0	568.6	114	2	50	40 - 140	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

PCB METHOD BLANK SUMMARY

Lab File ID: R5609.D

Instrument ID: GC-R

Date Extracted: 11/27/2013

Matrix: AQUEOUS

Date Analyzed: 12/02/2013

Time Analyzed: 16:04

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
PCB	LCSA131127-12	12/02/2013	16:22
VPS-M_&_	E13-11653-008	12/02/2013	16:47
PCB	11653-008MS	12/02/2013	17:05
PCB	11653-008MSD	12/02/2013	17:22
MW-28/13	E13-11582-001	12/02/2013	17:40
MW-30/14	E13-11582-002	12/02/2013	17:57
FB-2	E13-11652-004	12/02/2013	18:14
BES-TWP-	E13-11677-001	12/02/2013	18:32
FB_(11-2	E13-11741-036	12/02/2013	18:49
FB-38	E13-11775-019	12/02/2013	19:07
FB-39	E13-11822-020	12/02/2013	19:24
MW-28/13	E13-11582-001DL	12/03/2013	09:49
MW-30/14	E13-11582-002DL	12/03/2013	10:06

PCB METHOD BLANK SUMMARY

Lab File ID: R5680.D Instrument ID: GC-R

Date Extracted: 12/04/2013 Matrix: SOIL

Date Analyzed: 12/04/2013 Time Analyzed: 19:30

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
PCB	LCSS131204-08	12/04/2013	19:47
WO-4	E13-11599-004	12/04/2013	20:05
PCB	11599-004MS	12/04/2013	20:22
PCB	11599-004MSD	12/04/2013	20:39
HH-40_(2	E13-11775-001	12/04/2013	22:07
HH-40_(3	E13-11775-002	12/04/2013	22:24
BB-48_(2	E13-11775-005	12/04/2013	23:16
BB-48_(3	E13-11775-006	12/04/2013	23:34
AA-49_(1	E13-11775-007	12/04/2013	23:51
AA-49_(0	E13-11775-008	12/05/2013	00:08
CC-46_(2	E13-11775-010	12/05/2013	00:43
DD-46_(1	E13-11775-011	12/05/2013	01:01
DD-46_(2	E13-11775-012	12/05/2013	01:18
FF-45S_(	E13-11775-015	12/05/2013	02:10
GG-47_(0	E13-11775-018	12/05/2013	03:02

PCB METHOD BLANK SUMMARY

Lab File ID: R5680.D

Instrument ID: GC-R

Date Extracted: 12/04/2013

Matrix: SOIL

Date Analyzed: 12/04/2013

Time Analyzed: 19:30

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
FF-45S_(1)	E13-11775-016	12/05/2013	09:21
HH-40_(2)	E13-11775-001DL	12/05/2013	09:39
FF-45S_(1)	E13-11775-015DL	12/05/2013	10:18
HH-44_(2)	E13-11775-003	12/05/2013	10:35
HH-44_(3)	E13-11775-004	12/05/2013	10:53
CC-46_(1)	E13-11775-009	12/05/2013	11:10
FF-45E_(1)	E13-11775-013	12/05/2013	11:28
FF-45E_(1)	E13-11775-014	12/05/2013	11:45
FF-46_(2)	E13-11775-017	12/05/2013	12:02

PCB METHOD BLANK SUMMARY

Lab File ID: R5680.D Instrument ID: GC-R

Date Extracted: 12/04/2013 Matrix: SOIL

Date Analyzed: 12/04/2013 Time Analyzed: 19:30

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
PCB	LCSS131204-08	12/04/2013	19:47
WO-4	E13-11599-004	12/04/2013	20:05
PCB	11599-004MS	12/04/2013	20:22
PCB	11599-004MSD	12/04/2013	20:39
HH-40_(2	E13-11775-001	12/04/2013	22:07
HH-40_(3	E13-11775-002	12/04/2013	22:24
BB-48_(2	E13-11775-005	12/04/2013	23:16
BB-48_(3	E13-11775-006	12/04/2013	23:34
AA-49_(1	E13-11775-007	12/04/2013	23:51
AA-49_(0	E13-11775-008	12/05/2013	00:08
CC-46_(2	E13-11775-010	12/05/2013	00:43
DD-46_(1	E13-11775-011	12/05/2013	01:01
DD-46_(2	E13-11775-012	12/05/2013	01:18
FF-45S_(	E13-11775-015	12/05/2013	02:10
GG-47_(0	E13-11775-018	12/05/2013	03:02

PCB METHOD BLANK SUMMARY

Lab File ID: R5680.D

Instrument ID: GC-R

Date Extracted: 12/04/2013

Matrix: SOIL

Date Analyzed: 12/04/2013

Time Analyzed: 19:30

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
FF-45S_(	E13-11775-016	12/05/2013	09:21
HH-40_(2	E13-11775-001DL	12/05/2013	09:39
FF-45S_(	E13-11775-015DL	12/05/2013	10:18
HH-44_(2	E13-11775-003	12/05/2013	10:35
HH-44_(3	E13-11775-004	12/05/2013	10:53
CC-46_(1	E13-11775-009	12/05/2013	11:10
FF-45E_(	E13-11775-013	12/05/2013	11:28
FF-45E_(	E13-11775-014	12/05/2013	11:45
FF-46_(2	E13-11775-017	12/05/2013	12:02

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 11/15/2013 Instrument ID: GC-R
 GC Column (1st): DB-5

Data File: R5406.D R5405.D R5404.D R5403.D R5402.D

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.20	3.20	3.20	3.20	3.20	3.20	3.13	3.27
Aroclor-1016 {2}	4.03	4.03	4.03	4.03	4.03	4.03	3.96	4.10
Aroclor-1016 {3}	4.59	4.59	4.59	4.59	4.58	4.59	4.52	4.66
Aroclor-1016 {4}	5.09	5.09	5.09	5.09	5.09	5.09	5.02	5.16
Aroclor-1016 {5}	5.49	5.49	5.49	5.49	5.49	5.49	5.42	5.56
Aroclor-1221			2.11				2.04	2.18
Aroclor-1221 {2}			3.00				2.93	3.07
Aroclor-1221 {3}			3.13				3.06	3.20
Aroclor-1221 {4}			3.20				3.13	3.27
Aroclor-1221 {5}			3.80				3.73	3.87
Aroclor-1232			3.20				3.13	3.27
Aroclor-1232 {2}			4.03				3.96	4.10
Aroclor-1232 {3}			4.70				4.63	4.77
Aroclor-1232 {4}			5.30				5.23	5.37
Aroclor-1232 {5}			5.49				5.42	5.56
Aroclor-1242			4.03				3.96	4.10
Aroclor-1242 {2}			4.97				4.90	5.04
Aroclor-1242 {3}			5.30				5.23	5.37
Aroclor-1242 {4}			6.00				5.93	6.07
Aroclor-1242 {5}			6.27				6.20	6.34
Aroclor-1248			4.43				4.35	4.51
Aroclor-1248 {2}			4.97				4.89	5.05
Aroclor-1248 {3}			5.30				5.22	5.38
Aroclor-1248 {4}			6.00				5.92	6.08
Aroclor-1248 {5}			6.28				6.20	6.36
Aroclor-1254			6.39				6.31	6.47
Aroclor-1254 {2}			6.83				6.75	6.91
Aroclor-1254 {3}			7.00				6.91	7.09
Aroclor-1254 {4}			7.45				7.36	7.54
Aroclor-1254 {5}			8.30				8.21	8.39
Aroclor-1260	8.30	8.30	8.29	8.29	8.29	8.29	7.39	9.19
Aroclor-1260 {2}	8.97	8.97	8.97	8.96	8.96	8.97	8.07	9.87
Aroclor-1260 {3}	9.46	9.45	9.45	9.45	9.45	9.45	8.55	10.35
Aroclor-1260 {4}	9.95	9.94	9.94	9.94	9.93	9.94	9.04	10.84
Aroclor-1260 {5}	11.01	11.01	11.00	11.00	11.00	11.00	10.10	11.90

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 11/15/2013 Instrument ID: GC-R
 GC Column (1st): DB-5

Data File: R5406.D R5405.D R5404.D R5403.D R5402.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	226522	225900	208941	204235	196721	212464	6.25
Aroclor-1016 {2}	301744	306063	286681	283097	272863	290090	4.71
Aroclor-1016 {3}	376785	388550	364042	361858	352041	368655	3.85
Aroclor-1016 {4}	196738	198531	181033	176324	168237	184173	7.13
Aroclor-1016 {5}	287663	297856	289520	290067	283943	289810	1.76
Aroclor-1221			107435				
Aroclor-1221 {2}			161651				
Aroclor-1221 {3}			108933				
Aroclor-1221 {4}			380419				
Aroclor-1221 {5}			81581				
Aroclor-1232			279612				
Aroclor-1232 {2}			164483				
Aroclor-1232 {3}			136840				
Aroclor-1232 {4}			155000				
Aroclor-1232 {5}			198834				
Aroclor-1242			250324				
Aroclor-1242 {2}			154706				
Aroclor-1242 {3}			216074				
Aroclor-1242 {4}			339013				
Aroclor-1242 {5}			289518				
Aroclor-1248			589562				
Aroclor-1248 {2}			342010				
Aroclor-1248 {3}			444855				
Aroclor-1248 {4}			728971				
Aroclor-1248 {5}			493033				
Aroclor-1254			672283				
Aroclor-1254 {2}			411226				
Aroclor-1254 {3}			788025				
Aroclor-1254 {4}			792494				
Aroclor-1254 {5}			712563				
Aroclor-1260	669375	737670	772093	790110	790981	752046	6.78
Aroclor-1260 {2}	332948	339012	359129	346598	357351	347008	3.27
Aroclor-1260 {3}	820066	889329	911436	921093	926473	893679	4.87
Aroclor-1260 {4}	389368	422481	446723	456445	470068	437017	7.28
Aroclor-1260 {5}	188497	209732	214850	213008	212807	207779	5.26
Average %RSD							5.12

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 11/15/2013

Instrument ID: GC-R
GC Column (2nd): DB-1701P

Data File: R5406.C R5405.C R5404.C R5403.C R5402.C

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.36	3.36	3.36	3.36	3.37	3.37	3.30	3.44
Aroclor-1016 {2}	3.93	3.93	3.93	3.93	3.94	3.93	3.86	4.00
Aroclor-1016 {3}	4.64	4.65	4.64	4.65	4.66	4.65	4.58	4.72
Aroclor-1016 {4}	4.84	4.84	4.84	4.85	4.86	4.85	4.78	4.92
Aroclor-1016 {5}	5.01	5.01	5.01	5.01	5.02	5.01	4.94	5.08
Aroclor-1221			2.16				2.09	2.23
Aroclor-1221 {2}			3.07				3.00	3.14
Aroclor-1221 {3}			3.28				3.21	3.35
Aroclor-1221 {4}			3.37				3.30	3.44
Aroclor-1221 {5}			4.65				4.58	4.72
Aroclor-1232			3.36				3.29	3.43
Aroclor-1232 {2}			4.29				4.22	4.36
Aroclor-1232 {3}			4.84				4.77	4.91
Aroclor-1232 {4}			5.01				4.94	5.08
Aroclor-1232 {5}			5.59				5.52	5.66
Aroclor-1242			4.29				4.22	4.36
Aroclor-1242 {2}			5.01				4.94	5.08
Aroclor-1242 {3}			5.60				5.53	5.67
Aroclor-1242 {4}			5.75				5.68	5.82
Aroclor-1242 {5}			6.29				6.22	6.36
Aroclor-1248			4.64				4.56	4.72
Aroclor-1248 {2}			5.21				5.13	5.29
Aroclor-1248 {3}			5.59				5.51	5.67
Aroclor-1248 {4}			5.75				5.67	5.83
Aroclor-1248 {5}			6.09				6.01	6.17
Aroclor-1254			6.58				6.50	6.66
Aroclor-1254 {2}			7.15				7.07	7.23
Aroclor-1254 {3}			7.58				7.49	7.67
Aroclor-1254 {4}			7.77				7.68	7.86
Aroclor-1254 {5}			8.58				8.49	8.67
Aroclor-1260	7.34	7.33	7.33	7.33	7.34	7.34	6.44	8.24
Aroclor-1260 {2}	7.58	7.58	7.59	7.59	7.59	7.59	6.69	8.49
Aroclor-1260 {3}	9.17	9.17	9.17	9.17	9.17	9.17	8.27	10.07
Aroclor-1260 {4}	9.68	9.68	9.68	9.68	9.68	9.68	8.78	10.58
Aroclor-1260 {5}	10.27	10.27	10.27	10.27	10.27	10.27	9.37	11.17

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 11/15/2013

Instrument ID: GC-R

GC Column (2nd): DB-1701P

Data File:

R5406.C R5405.C R5404.C R5403.C R5402.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	458311	460630	416614	400325	378539	422884	8.52
Aroclor-1016 {2}	1034186	983316	854289	823661	777298	894550	12.22
Aroclor-1016 {3}	2070883	2027148	1846278	1813463	1743179	1900190	7.46
Aroclor-1016 {4}	875093	844939	780394	749139	728194	795552	7.87
Aroclor-1016 {5}	669763	645248	597675	581408	564504	611720	7.24
Aroclor-1221			212048				
Aroclor-1221 {2}			337253				
Aroclor-1221 {3}			206598				
Aroclor-1221 {4}			754595				
Aroclor-1221 {5}			139067				
Aroclor-1232			558305				
Aroclor-1232 {2}			214379				
Aroclor-1232 {3}			449439				
Aroclor-1232 {4}			346191				
Aroclor-1232 {5}			490383				
Aroclor-1242			322149				
Aroclor-1242 {2}			524799				
Aroclor-1242 {3}			698289				
Aroclor-1242 {4}			576589				
Aroclor-1242 {5}			1096145				
Aroclor-1248			1224010				
Aroclor-1248 {2}			1866655				
Aroclor-1248 {3}			1322324				
Aroclor-1248 {4}			1188759				
Aroclor-1248 {5}			633775				
Aroclor-1254			1416771				
Aroclor-1254 {2}			1114656				
Aroclor-1254 {3}			835746				
Aroclor-1254 {4}			1016291				
Aroclor-1254 {5}			1484111				
Aroclor-1260	814856	791655	777302	766870	638238	757784	9.13
Aroclor-1260 {2}	1208926	1162133	1015530	982249	934022	1060572	11.21
Aroclor-1260 {3}	887622	881615	814484	806877	799338	837987	5.13
Aroclor-1260 {4}	1867398	1962576	1809886	1806877	1784259	1846199	3.90
Aroclor-1260 {5}	1393024	1390244	1294429	1280361	1287553	1329122	4.31
Average %RSD						7.70	

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 11/15/2013

Instrument ID: GC-R
GC Column (1st): DB-5

Data File: R5406.D R5405.D R5404.D R5403.D R5402.D

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			8.66				8.54	8.78
Aroclor-1262 {2}			9.45				9.33	9.57
Aroclor-1262 {3}			10.08				9.96	10.20
Aroclor-1262 {4}			10.17				10.05	10.29
Aroclor-1262 {5}			11.00				10.88	11.12
Aroclor-1268			10.08				9.96	10.20
Aroclor-1268 {2}			10.16				10.04	10.28
Aroclor-1268 {3}			10.63				10.51	10.75
Aroclor-1268 {4}			10.76				10.64	10.88
Aroclor-1268 {5}			11.60				11.48	11.72

GC Column (2nd): DB-1701P

Data File: R5406.C R5405.C R5404.C R5403.C R5402.C

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			9.17				9.05	9.29
Aroclor-1262 {2}			9.68				9.56	9.80
Aroclor-1262 {3}			10.17				10.05	10.29
Aroclor-1262 {4}			10.26				10.14	10.38
Aroclor-1262 {5}			10.85				10.73	10.97
Aroclor-1268			10.17				10.05	10.29
Aroclor-1268 {2}			10.25				10.13	10.37
Aroclor-1268 {3}			10.49				10.37	10.61
Aroclor-1268 {4}			10.64				10.52	10.76
Aroclor-1268 {5}			11.72				11.60	11.84

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed:

11/15/2013

Instrument ID:

GC-R

GC Column (1st):

DB-5

Data File:

R5406.D

R5405.D

R5404.D

R5403.D

R5402.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			375092				
Aroclor-1262 {2}			1372820				
Aroclor-1262 {3}			509572				
Aroclor-1262 {4}			633134				
Aroclor-1262 {5}			474740				
Aroclor-1268			1301015				
Aroclor-1268 {2}			1488781				
Aroclor-1268 {3}			1131524				
Aroclor-1268 {4}			319375				
Aroclor-1268 {5}			3566996				

GC Column (2nd):

DB-1701P

Data File:

R5406.C

R5405.C

R5404.C

R5403.C

R5402.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			1244890				
Aroclor-1262 {2}			2848395				
Aroclor-1262 {3}			887890				
Aroclor-1262 {4}			2004736				
Aroclor-1262 {5}			370824				
Aroclor-1268			2570716				
Aroclor-1268 {2}			2915321				
Aroclor-1268 {3}			2249766				
Aroclor-1268 {4}			636367				
Aroclor-1268 {5}			6939711				

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 12/02/2013

Instrument ID: GC-R

Data File: R5608.D

GC Column (1st): DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.20	3.13	3.27	212464	205892	3.09
Aroclor-1016 {2}	4.03	3.96	4.10	290090	276282	4.76
Aroclor-1016 {3}	4.59	4.52	4.66	368655	354647	3.80
Aroclor-1016 {4}	5.09	5.02	5.16	184173	174356	5.33
Aroclor-1016 {5}	5.49	5.42	5.56	289810	275151	5.06
Aroclor-1260	8.29	7.39	9.19	752046	803637	6.86
Aroclor-1260 {2}	8.97	8.07	9.87	347008	359545	3.61
Aroclor-1260 {3}	9.45	8.55	10.35	893679	890542	0.35
Aroclor-1260 {4}	9.93	9.04	10.84	437017	443502	1.48
Aroclor-1260 {5}	11.00	10.10	11.90	207779	191182	7.99

Data File: R5608.C

GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.38	3.30	3.44	422884	497142	17.56
Aroclor-1016 {2}	3.94	3.86	4.00	894550	978512	9.39
Aroclor-1016 {3}	4.66	4.58	4.72	1900190	2137554	12.49
Aroclor-1016 {4}	4.86	4.78	4.92	795552	897308	12.79
Aroclor-1016 {5}	5.03	4.94	5.08	611720	693665	13.40
Aroclor-1260	7.35	6.44	8.24	757784	896445	18.30
Aroclor-1260 {2}	7.60	6.69	8.49	1060572	1170964	10.41
Aroclor-1260 {3}	9.17	8.27	10.07	837987	988725	17.99
Aroclor-1260 {4}	9.69	8.78	10.58	1846199	2208712	19.64
Aroclor-1260 {5}	10.27	9.37	11.17	1329122	1510287	13.63

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed:

12/02/2013

Instrument ID:

GC-R

Data File:

R5621.D

GC Column (1st):

DB-5

Compound	RT	RT WINDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.20	3.13	3.27	212464	203509	4.21
Aroclor-1016 {2}	4.03	3.96	4.10	290090	271360	6.46
Aroclor-1016 {3}	4.59	4.52	4.66	368655	357002	3.16
Aroclor-1016 {4}	5.10	5.02	5.16	184173	190288	3.32
Aroclor-1016 {5}	5.49	5.42	5.56	289810	281362	2.91
Aroclor-1260	8.30	7.39	9.19	752046	786599	4.59
Aroclor-1260 {2}	8.97	8.07	9.87	347008	367352	5.86
Aroclor-1260 {3}	9.46	8.55	10.35	893679	947281	6.00
Aroclor-1260 {4}	9.94	9.04	10.84	437017	460612	5.40
Aroclor-1260 {5}	11.01	10.10	11.90	207779	210541	1.33

Data File:

R5621.C

GC Column (2nd):

DB-1701P

Compound	RT	RT WINDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.37	3.30	3.44	422884	481655	13.90
Aroclor-1016 {2}	3.93	3.86	4.00	894550	930079	3.97
Aroclor-1016 {3}	4.65	4.58	4.72	1900190	2043106	7.52
Aroclor-1016 {4}	4.85	4.78	4.92	795552	885554	11.31
Aroclor-1016 {5}	5.01	4.94	5.08	611720	678717	10.95
Aroclor-1260	7.34	6.44	8.24	757784	886535	16.99
Aroclor-1260 {2}	7.59	6.69	8.49	1060572	1192975	12.48
Aroclor-1260 {3}	9.17	8.27	10.07	837987	997078	18.98
Aroclor-1260 {4}	9.68	8.78	10.58	1846199	2136235	15.71
Aroclor-1260 {5}	10.26	9.37	11.17	1329122	1576891	18.64

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 12/03/2013

Instrument ID: GC-R

Data File:

R5622.D

GC Column (1st):

DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.20	3.13	3.27	212464	182245	14.22
Aroclor-1016 {2}	4.03	3.96	4.10	290090	242877	16.27
Aroclor-1016 {3}	4.59	4.52	4.66	368655	315784	14.34
Aroclor-1016 {4}	5.10	5.02	5.16	184173	165986	9.87
Aroclor-1016 {5}	5.49	5.42	5.56	289810	245815	15.18
Aroclor-1260	8.30	7.39	9.19	752046	670962	10.78
Aroclor-1260 {2}	8.97	8.07	9.87	347008	313729	9.59
Aroclor-1260 {3}	9.46	8.55	10.35	893679	806089	9.80
Aroclor-1260 {4}	9.94	9.04	10.84	437017	392613	10.16
Aroclor-1260 {5}	11.01	10.10	11.90	207779	182982	11.93

Data File:

R5622.C

GC Column (2nd):

DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.37	3.30	3.44	422884	436357	3.19
Aroclor-1016 {2}	3.93	3.86	4.00	894550	840938	5.99
Aroclor-1016 {3}	4.65	4.58	4.72	1900190	1832211	3.58
Aroclor-1016 {4}	4.85	4.78	4.92	795552	788954	0.83
Aroclor-1016 {5}	5.02	4.94	5.08	611720	605932	0.95
Aroclor-1260	7.34	6.44	8.24	757784	772384	1.93
Aroclor-1260 {2}	7.59	6.69	8.49	1060572	1048355	1.15
Aroclor-1260 {3}	9.17	8.27	10.07	837987	867500	3.52
Aroclor-1260 {4}	9.68	8.78	10.58	1846199	2002762	8.48
Aroclor-1260 {5}	10.27	9.37	11.17	1329122	1419490	6.80

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed:

12/03/2013

Instrument ID:

GC-R

Data File:

R5625.D

GC Column (1st):

DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.20	3.13	3.27	212464	185451	12.71
Aroclor-1016 {2}	4.04	3.96	4.10	290090	247446	14.70
Aroclor-1016 {3}	4.59	4.52	4.66	368655	326224	11.51
Aroclor-1016 {4}	5.10	5.02	5.16	184173	175106	4.92
Aroclor-1016 {5}	5.49	5.42	5.56	289810	256690	11.43
Aroclor-1260	8.30	7.39	9.19	752046	718828	4.42
Aroclor-1260 {2}	8.97	8.07	9.87	347008	334985	3.46
Aroclor-1260 {3}	9.46	8.55	10.35	893679	868106	2.86
Aroclor-1260 {4}	9.94	9.04	10.84	437017	421808	3.48
Aroclor-1260 {5}	11.01	10.10	11.90	207779	195060	6.12

Data File:

R5625.C

GC Column (2nd):

DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.37	3.30	3.44	422884	445533	5.36
Aroclor-1016 {2}	3.93	3.86	4.00	894550	857285	4.17
Aroclor-1016 {3}	4.65	4.58	4.72	1900190	1884326	0.83
Aroclor-1016 {4}	4.85	4.78	4.92	795552	814794	2.42
Aroclor-1016 {5}	5.02	4.94	5.08	611720	625645	2.28
Aroclor-1260	7.34	6.44	8.24	757784	823636	8.69
Aroclor-1260 {2}	7.59	6.69	8.49	1060572	1110041	4.66
Aroclor-1260 {3}	9.17	8.27	10.07	837987	928715	10.83
Aroclor-1260 {4}	9.68	8.78	10.58	1846199	2155045	16.73
Aroclor-1260 {5}	10.27	9.37	11.17	1329122	1535924	15.56

AROCLOL CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 12/04/2013

Instrument ID: GC-R

Data File:

R5679.D

GC Column (1st):

DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.20	3.13	3.27	212464	180360	15.11
Aroclor-1016 {2}	4.04	3.96	4.10	290090	237174	18.24
Aroclor-1016 {3}	4.59	4.52	4.66	368655	309349	16.09
Aroclor-1016 {4}	5.10	5.02	5.16	184173	158068	14.17
Aroclor-1016 {5}	5.49	5.42	5.56	289810	236369	18.44
Aroclor-1260	8.30	7.39	9.19	752046	617545	17.88
Aroclor-1260 {2}	8.97	8.07	9.87	347008	279706	19.40
Aroclor-1260 {3}	9.45	8.55	10.35	893679	740209	17.17
Aroclor-1260 {4}	9.94	9.04	10.84	437017	366425	16.15
Aroclor-1260 {5}	11.00	10.10	11.90	207779	190805	8.17

Data File:

R5679.C

GC Column (2nd):

DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.37	3.30	3.44	422884	423860	0.23
Aroclor-1016 {2}	3.93	3.86	4.00	894550	816072	8.77
Aroclor-1016 {3}	4.65	4.58	4.72	1900190	1774253	6.63
Aroclor-1016 {4}	4.85	4.78	4.92	795552	749056	5.84
Aroclor-1016 {5}	5.01	4.94	5.08	611720	571502	6.57
Aroclor-1260	7.34	6.44	8.24	757784	697662	7.93
Aroclor-1260 {2}	7.59	6.69	8.49	1060572	913749	13.84
Aroclor-1260 {3}	9.17	8.27	10.07	837987	734276	12.38
Aroclor-1260 {4}	9.68	8.78	10.58	1846199	1683343	8.82
Aroclor-1260 {5}	10.27	9.37	11.17	1329122	1208550	9.07

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 12/04/2013

Instrument ID: GC-R

Data File: R5679.D

GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.20	3.13	3.27	212464	180360	15.11
Aroclor-1016 {2}	4.04	3.96	4.10	290090	237174	18.24
Aroclor-1016 {3}	4.59	4.52	4.66	368655	309349	16.09
Aroclor-1016 {4}	5.10	5.02	5.16	184173	158068	14.17
Aroclor-1016 {5}	5.49	5.42	5.56	289810	236369	18.44
Aroclor-1260	8.30	7.39	9.19	752046	617545	17.88
Aroclor-1260 {2}	8.97	8.07	9.87	347008	279706	19.40
Aroclor-1260 {3}	9.45	8.55	10.35	893679	740209	17.17
Aroclor-1260 {4}	9.94	9.04	10.84	437017	366425	16.15
Aroclor-1260 {5}	11.00	10.10	11.90	207779	190805	8.17

Data File: R5679.C

GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.37	3.30	3.44	422884	423860	0.23
Aroclor-1016 {2}	3.93	3.86	4.00	894550	816072	8.77
Aroclor-1016 {3}	4.65	4.58	4.72	1900190	1774253	6.63
Aroclor-1016 {4}	4.85	4.78	4.92	795552	749056	5.84
Aroclor-1016 {5}	5.01	4.94	5.08	611720	571502	6.57
Aroclor-1260	7.34	6.44	8.24	757784	697662	7.93
Aroclor-1260 {2}	7.59	6.69	8.49	1060572	913749	13.84
Aroclor-1260 {3}	9.17	8.27	10.07	837987	734276	12.38
Aroclor-1260 {4}	9.68	8.78	10.58	1846199	1683343	8.82
Aroclor-1260 {5}	10.27	9.37	11.17	1329122	1208550	9.07

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 12/04/2013 Instrument ID: GC-R

Data File: R5685.D GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.20	3.13	3.27	212464	187016	11.98
Aroclor-1016 {2}	4.03	3.96	4.10	290090	247250	14.77
Aroclor-1016 {3}	4.59	4.52	4.66	368655	323431	12.27
Aroclor-1016 {4}	5.09	5.02	5.16	184173	167781	8.90
Aroclor-1016 {5}	5.49	5.42	5.56	289810	249932	13.76
Aroclor-1260	8.30	7.39	9.19	752046	674892	10.26
Aroclor-1260 {2}	8.97	8.07	9.87	347008	310670	10.47
Aroclor-1260 {3}	9.46	8.55	10.35	893679	823510	7.85
Aroclor-1260 {4}	9.94	9.04	10.84	437017	402299	7.94
Aroclor-1260 {5}	11.00	10.10	11.90	207779	211065	1.58

Data File: R5685.C GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.37	3.30	3.44	422884	448645	6.09
Aroclor-1016 {2}	3.93	3.86	4.00	894550	853850	4.55
Aroclor-1016 {3}	4.65	4.58	4.72	1900190	1871837	1.49
Aroclor-1016 {4}	4.85	4.78	4.92	795552	797330	0.22
Aroclor-1016 {5}	5.01	4.94	5.08	611720	610307	0.23
Aroclor-1260	7.34	6.44	8.24	757784	767600	1.30
Aroclor-1260 {2}	7.59	6.69	8.49	1060572	1026654	3.20
Aroclor-1260 {3}	9.17	8.27	10.07	837987	827848	1.21
Aroclor-1260 {4}	9.68	8.78	10.58	1846199	1927588	4.41
Aroclor-1260 {5}	10.27	9.37	11.17	1329122	1385011	4.20

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 12/05/2013 Instrument ID: GC-R

Data File: R5704.D GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.20	3.13	3.27	212464	192491	9.40
Aroclor-1016 {2}	4.03	3.96	4.10	290090	255669	11.87
Aroclor-1016 {3}	4.59	4.52	4.66	368655	334316	9.31
Aroclor-1016 {4}	5.09	5.02	5.16	184173	179599	2.48
Aroclor-1016 {5}	5.49	5.42	5.56	289810	263015	9.25
Aroclor-1260	8.30	7.39	9.19	752046	715467	4.86
Aroclor-1260 {2}	8.97	8.07	9.87	347008	328666	5.29
Aroclor-1260 {3}	9.46	8.55	10.35	893679	868398	2.83
Aroclor-1260 {4}	9.94	9.04	10.84	437017	420927	3.68
Aroclor-1260 {5}	11.01	10.10	11.90	207779	224817	8.20

Data File: R5704.C GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.36	3.30	3.44	422884	457647	8.22
Aroclor-1016 {2}	3.93	3.86	4.00	894550	870461	2.69
Aroclor-1016 {3}	4.65	4.58	4.72	1900190	1916980	0.88
Aroclor-1016 {4}	4.85	4.78	4.92	795552	811257	1.97
Aroclor-1016 {5}	5.01	4.94	5.08	611720	621656	1.62
Aroclor-1260	7.34	6.44	8.24	757784	784425	3.52
Aroclor-1260 {2}	7.59	6.69	8.49	1060572	1060197	0.04
Aroclor-1260 {3}	9.17	8.27	10.07	837987	889288	6.12
Aroclor-1260 {4}	9.68	8.78	10.58	1846199	2066887	11.95
Aroclor-1260 {5}	10.27	9.37	11.17	1329122	1474593	10.94

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 12/05/2013 Instrument ID: GC-R

Data File: R5705.D GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.20	3.13	3.27	212464	188708	11.18
Aroclor-1016 {2}	4.03	3.96	4.10	290090	250642	13.60
Aroclor-1016 {3}	4.59	4.52	4.66	368655	326726	11.37
Aroclor-1016 {4}	5.09	5.02	5.16	184173	174892	5.04
Aroclor-1016 {5}	5.49	5.42	5.56	289810	255387	11.88
Aroclor-1260	8.30	7.39	9.19	752046	734852	2.29
Aroclor-1260 {2}	8.97	8.07	9.87	347008	337335	2.79
Aroclor-1260 {3}	9.45	8.55	10.35	893679	860796	3.68
Aroclor-1260 {4}	9.93	9.04	10.84	437017	432915	0.94
Aroclor-1260 {5}	11.00	10.10	11.90	207779	196951	5.21

Data File: R5705.C GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.38	3.30	3.44	422884	469930	11.13
Aroclor-1016 {2}	3.94	3.86	4.00	894550	897523	0.33
Aroclor-1016 {3}	4.66	4.58	4.72	1900190	2003227	5.42
Aroclor-1016 {4}	4.86	4.78	4.92	795552	833675	4.79
Aroclor-1016 {5}	5.03	4.94	5.08	611720	644445	5.35
Aroclor-1260	7.35	6.44	8.24	757784	832558	9.87
Aroclor-1260 {2}	7.60	6.69	8.49	1060572	1091801	2.94
Aroclor-1260 {3}	9.18	8.27	10.07	837987	927402	10.67
Aroclor-1260 {4}	9.68	8.78	10.58	1846199	2078246	12.57
Aroclor-1260 {5}	10.27	9.37	11.17	1329122	1528031	14.97

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 12/05/2013 Instrument ID: GC-R

Data File: R5715.D GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.20	3.13	3.27	212464	191377	9.92
Aroclor-1016 {2}	4.03	3.96	4.10	290090	258304	10.96
Aroclor-1016 {3}	4.59	4.52	4.66	368655	332706	9.75
Aroclor-1016 {4}	5.09	5.02	5.16	184173	187358	1.73
Aroclor-1016 {5}	5.49	5.42	5.56	289810	261212	9.87
Aroclor-1260	8.30	7.39	9.19	752046	703902	6.40
Aroclor-1260 {2}	8.97	8.07	9.87	347008	322584	7.04
Aroclor-1260 {3}	9.46	8.55	10.35	893679	851574	4.71
Aroclor-1260 {4}	9.95	9.04	10.84	437017	414984	5.04
Aroclor-1260 {5}	11.01	10.10	11.90	207779	199950	3.77

Data File: R5715.C GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.37	3.30	3.44	422884	456307	7.90
Aroclor-1016 {2}	3.93	3.86	4.00	894550	874497	2.24
Aroclor-1016 {3}	4.65	4.58	4.72	1900190	1920375	1.06
Aroclor-1016 {4}	4.85	4.78	4.92	795552	829187	4.23
Aroclor-1016 {5}	5.01	4.94	5.08	611720	633290	3.53
Aroclor-1260	7.34	6.44	8.24	757784	801327	5.75
Aroclor-1260 {2}	7.59	6.69	8.49	1060572	1092505	3.01
Aroclor-1260 {3}	9.17	8.27	10.07	837987	880825	5.11
Aroclor-1260 {4}	9.68	8.78	10.58	1846199	2066053	11.91
Aroclor-1260 {5}	10.27	9.37	11.17	1329122	1491230	12.20

PCB RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-R

Column: DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1	<u>2.74</u>	DCB 1	<u>12.09</u>	TCMX 2	<u>2.57</u>	DCB 2	<u>11.94</u>
--------	-------------	-------	--------------	--------	-------------	-------	--------------

Client ID	Lab	Date Analyzed	Time Analyzed	TCMX 1 RT #	DCB 1 RT #	TCMX 2 RT #	DCB 2 RT #
PCB	BLKA131127-12	12/02/2013	16:04	2.74	12.09	2.57	11.94
PCB	LCSA131127-12	12/02/2013	16:22	2.74	12.09	2.56	11.94
VPS-M_&_	E13-11653-008	12/02/2013	16:47	2.74	12.09	2.57	11.94
PCB	11653-008MS	12/02/2013	17:05	2.74	12.09	2.56	11.94
PCB	11653-008MSD	12/02/2013	17:22	2.74	12.09	2.56	11.93
MW-28/13	E13-11582-001	12/02/2013	17:40	2.74	12.09	2.56	11.94
MW-30/14	E13-11582-002	12/02/2013	17:57	2.74	12.08	2.56	11.93
FB-2	E13-11652-004	12/02/2013	18:14	2.74	12.09	2.56	11.94
BES-TWP-	E13-11677-001	12/02/2013	18:32	2.74	12.09	2.56	11.94
FB_(11-2	E13-11741-036	12/02/2013	18:49	2.74	12.09	2.56	11.94
FB-38	E13-11775-019	12/02/2013	19:07	2.74	12.09	2.56	11.94
FB-39	E13-11822-020	12/02/2013	19:24	2.74	12.09	2.56	11.94
MW-28/13	E13-11582-001DL	12/03/2013	09:49	0.00 D	0.00 D	0.00 D	0.00 D
MW-30/14	E13-11582-002DL	12/03/2013	10:06	2.74	12.08	2.56	11.93

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

(\pm 0.10 Minutes)

DCB = Decachlorobiphenyl

(\pm 0.10 Minutes)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-R

Column: DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1	<u>2.74</u>	DCB 1	<u>12.09</u>
--------	-------------	-------	--------------

Client ID	Sample ID	Lab	Date	Time	TCMX 1	DCB 1	TCMX 2	DCB 2
		Analyzed	Analyzed	RT	#	RT	#	RT
PCB	BLKS131204-08	12/04/2013	19:30	2.74		12.09	2.56	11.93
PCB	LCSS131204-08	12/04/2013	19:47	2.74		12.09	2.56	11.93
WO-4	E13-11599-004	12/04/2013	20:05	2.74		12.09	2.56	11.93
PCB	11599-004MS	12/04/2013	20:22	2.74		12.09	2.56	11.93
PCB	11599-004MSD	12/04/2013	20:39	2.74		12.09	2.56	11.93
HH-40_(2)	E13-11775-001	12/04/2013	22:07	2.74		12.08	2.56	11.92
HH-40_(3)	E13-11775-002	12/04/2013	22:24	2.74		12.08	2.56	11.93
BB-48_(2)	E13-11775-005	12/04/2013	23:16	2.74		12.09	2.56	11.93
BB-48_(3)	E13-11775-006	12/04/2013	23:34	2.74		12.09	2.56	11.93
AA-49_(1)	E13-11775-007	12/04/2013	23:51	2.74		12.08	2.56	11.93
AA-49_(0)	E13-11775-008	12/05/2013	00:08	2.74		12.08	2.56	11.93
CC-46_(2)	E13-11775-010	12/05/2013	00:43	2.74		12.09	2.56	11.93
DD-46_(1)	E13-11775-011	12/05/2013	01:01	2.74		12.08	2.56	11.93
DD-46_(2)	E13-11775-012	12/05/2013	01:18	2.74		12.08	2.56	11.93
FF-45S_()	E13-11775-015	12/05/2013	02:10	2.74		12.08	2.56	11.93
GG-47_(0)	E13-11775-018	12/05/2013	03:02	2.74		12.08	2.56	11.93

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

(\pm 0.10 Minutes)

DCB = Decachlorobiphenyl

(\pm 0.10 Minutes)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-R

Column: DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1	<u>2.74</u>	DCB 1	<u>12.09</u>	TCMX 2	<u>2.56</u>	DCB 2	<u>11.93</u>
--------	-------------	-------	--------------	--------	-------------	-------	--------------

Client ID	Lab	Date	Time	TCMX 1	DCB 1	TCMX 2	DCB 2
	Sample ID	Analyzed	Analyzed	RT #	RT #	RT #	RT #
PCB	BLKS131204-08	12/04/2013	19:30	2.74	12.09	2.56	11.93
FF-45S_(	E13-11775-016	12/05/2013	09:21	2.74	12.09	2.57	11.94
HH-40_(2	E13-11775-001DL	12/05/2013	09:39	2.74	12.08	2.56	11.93
FF-45S_(	E13-11775-015DL	12/05/2013	10:18	2.74	12.09	2.57	11.95
HH-44_(2	E13-11775-003	12/05/2013	10:35	2.74	12.09	2.56	11.93
HH-44_(3	E13-11775-004	12/05/2013	10:53	2.74	12.09	2.56	11.93
CC-46_(1	E13-11775-009	12/05/2013	11:10	2.74	12.09	2.56	11.93
FF-45E_(	E13-11775-013	12/05/2013	11:28	2.74	12.09	2.56	11.93
FF-45E_(	E13-11775-014	12/05/2013	11:45	2.74	12.09	2.56	11.93
FF-46_(2	E13-11775-017	12/05/2013	12:02	2.74	12.09	2.56	11.94

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

(\pm 0.10 Minutes)

DCB = Decachlorobiphenyl

(\pm 0.10 Minutes)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-R

Column: DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1	<u>2.74</u>	DCB 1	<u>12.09</u>	TCMX 2	<u>2.56</u>	DCB 2	<u>11.93</u>
--------	-------------	-------	--------------	--------	-------------	-------	--------------

Client ID	Sample ID	Lab	Date Analyzed	Time Analyzed	TCMX 1 RT #	DCB 1 RT #	TCMX 2 RT #	DCB 2 RT #
PCB	BLKS131204-08		12/04/2013	19:30	2.74	12.09	2.56	11.93
PCB	LCSS131204-08		12/04/2013	19:47	2.74	12.09	2.56	11.93
WO-4	E13-11599-004		12/04/2013	20:05	2.74	12.09	2.56	11.93
PCB	11599-004MS		12/04/2013	20:22	2.74	12.09	2.56	11.93
PCB	11599-004MSD		12/04/2013	20:39	2.74	12.09	2.56	11.93
HH-40_(2	E13-11775-001		12/04/2013	22:07	2.74	12.08	2.56	11.92
HH-40_(3	E13-11775-002		12/04/2013	22:24	2.74	12.08	2.56	11.93
BB-48_(2	E13-11775-005		12/04/2013	23:16	2.74	12.09	2.56	11.93
BB-48_(3	E13-11775-006		12/04/2013	23:34	2.74	12.09	2.56	11.93
AA-49_(1	E13-11775-007		12/04/2013	23:51	2.74	12.08	2.56	11.93
AA-49_(0	E13-11775-008		12/05/2013	00:08	2.74	12.08	2.56	11.93
CC-46_(2	E13-11775-010		12/05/2013	00:43	2.74	12.09	2.56	11.93
DD-46_(1	E13-11775-011		12/05/2013	01:01	2.74	12.08	2.56	11.93
DD-46_(2	E13-11775-012		12/05/2013	01:18	2.74	12.08	2.56	11.93
FF-45S_(	E13-11775-015		12/05/2013	02:10	2.74	12.08	2.56	11.93
GG-47_(0	E13-11775-018		12/05/2013	03:02	2.74	12.08	2.56	11.93

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

(\pm 0.10 Minutes)

DCB = Decachlorobiphenyl

(\pm 0.10 Minutes)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-R

Column: DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1	<u>2.74</u>	DCB 1	<u>12.09</u>	TCMX 2	<u>2.56</u>	DCB 2	<u>11.93</u>
---------------	--------------------	--------------	---------------------	---------------	--------------------	--------------	---------------------

Client ID	Lab	Date	Time	TCMX 1	DCB 1	TCMX 2	DCB 2
	Sample ID	Analyzed	Analyzed	RT	#	RT	#
PCB	BLKS131204-08	12/04/2013	19:30	2.74		12.09	2.56
FF-45S_(2)	E13-11775-016	12/05/2013	09:21	2.74		12.09	2.57
HH-40_(2)	E13-11775-001DL	12/05/2013	09:39	2.74		12.08	2.56
FF-45S_(2)	E13-11775-015DL	12/05/2013	10:18	2.74		12.09	2.57
HH-44_(2)	E13-11775-003	12/05/2013	10:35	2.74		12.09	2.56
HH-44_(3)	E13-11775-004	12/05/2013	10:53	2.74		12.09	2.56
CC-46_(1)	E13-11775-009	12/05/2013	11:10	2.74		12.09	2.56
FF-45E_(2)	E13-11775-013	12/05/2013	11:28	2.74		12.09	2.56
FF-45E_(2)	E13-11775-014	12/05/2013	11:45	2.74		12.09	2.56
FF-46_(2)	E13-11775-017	12/05/2013	12:02	2.74		12.09	2.56

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

(\pm 0.10 Minutes)

DCB = Decachlorobiphenyl

(\pm 0.10 Minutes)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB SAMPLE DATA

Data Path : C:\MSDCHEM\1\DATA\12-04-13\
 Data File : R5686.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 04 Dec 2013 22:07
 Operator : JS
 Sample : HH-40_(2,E13-11775-001,S,5.56g,23.8,20
 Misc : 131204-08,12/04/13,11/25/13,1
 ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Dec 05 14:04:45 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB1115.M
 Quant Title :
 QLast Update : Fri Nov 15 14:15:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

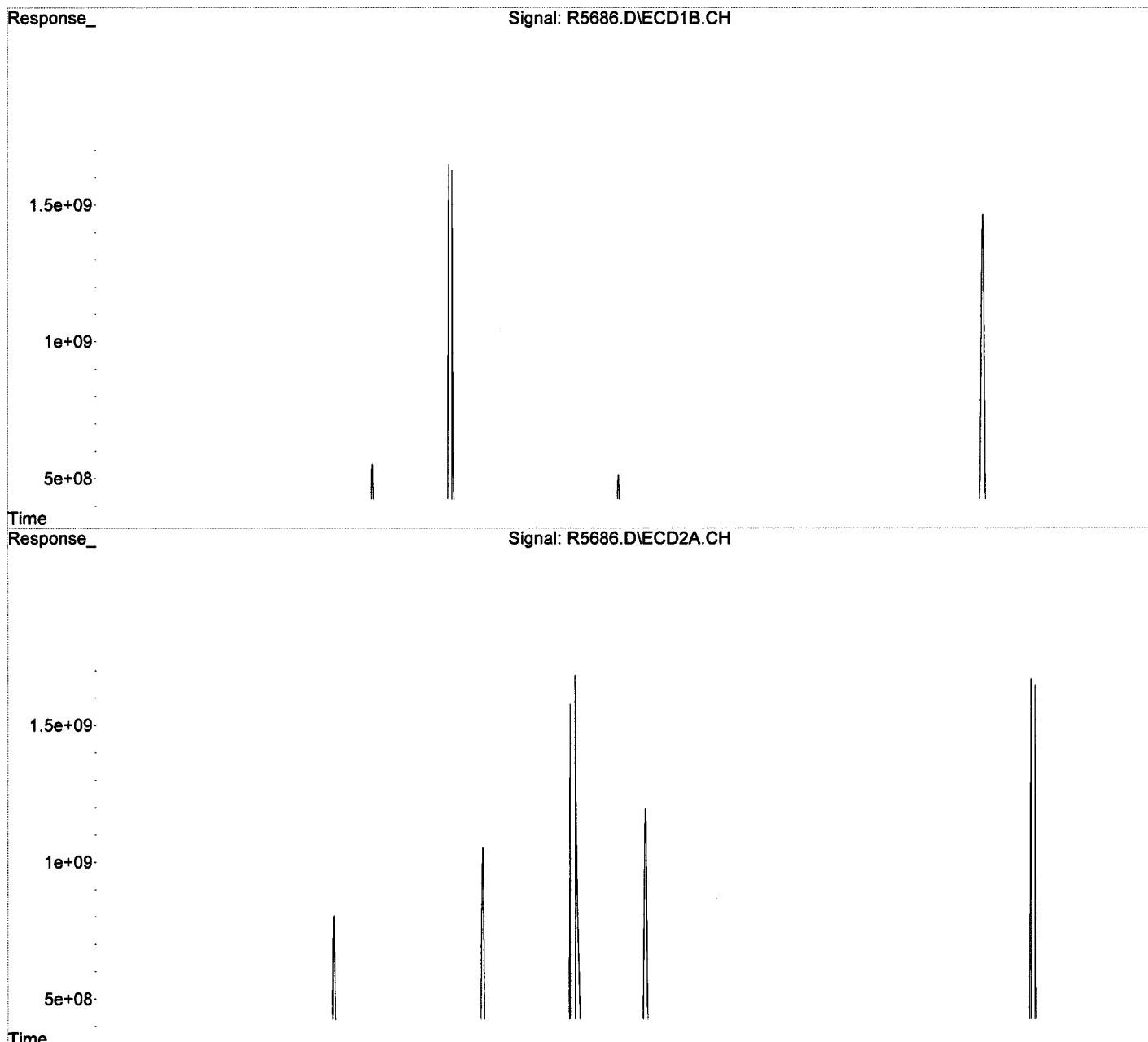
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.74	2.56	2451.2E6	5677.9E6	212.549	237.571
Spiked Amount	200.000			Recovery	= 106.27%	118.79%
2) S DCB	12.08	11.92	750.7E6	1644.3E6	229.132m	260.033m
Spiked Amount	200.000			Recovery	= 114.57%	130.02%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.44	4.65	3813.8E6	8935.6E6	6468.816	7300.270
24) L6 Aroclor-1248	{2}	4.98	5.21	961.3E6	6959.7E6	2810.865
25) L6 Aroclor-1248	{3}	0.00	5.60	0	7409.9E6	N.D. d 5603.705 #
26) L6 Aroclor-1248	{4}	6.00	5.75	2471.0E6	3840.6E6	3389.642
27) L6 Aroclor-1248	{5}	0.00	6.09	0	2274.9E6	N.D. d 3589.375 #
Sum Aroclor-1248				7246.1E6	29420.6E6	12669.323
Average Aroclor-1248					4223.108	23452.519
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

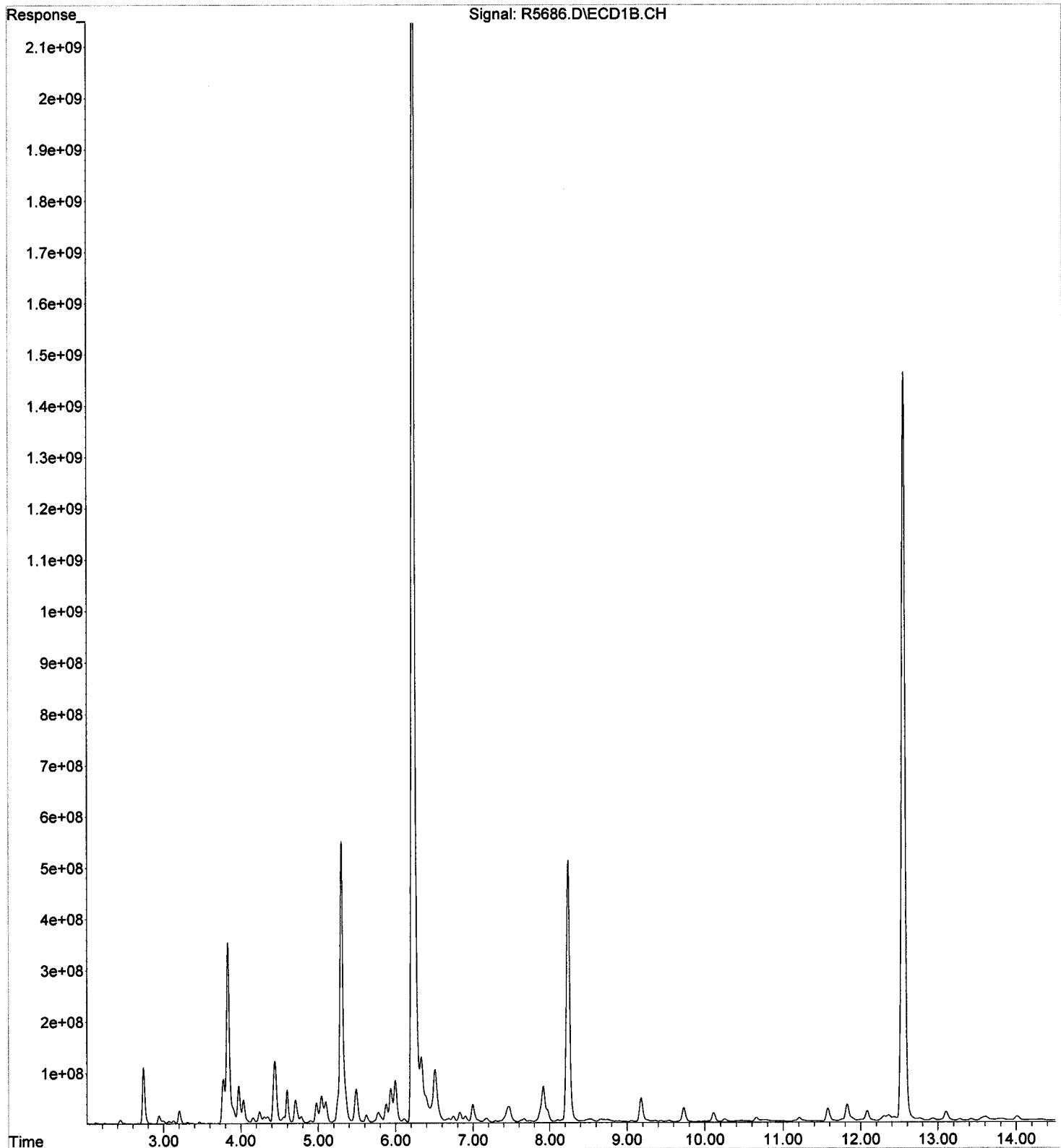
Data Path : C:\MSDCHEM\1\DATA\12-04-13\
Data File : R5686.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 04 Dec 2013 22:07
Operator : JS
Sample : HH-40_(2,E13-11775-001,S,5.56g,23.8,20
Misc : 131204-08,12/04/13,11/25/13,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 05 14:04:45 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1115.M
Quant Title :
QLast Update : Fri Nov 15 14:15:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

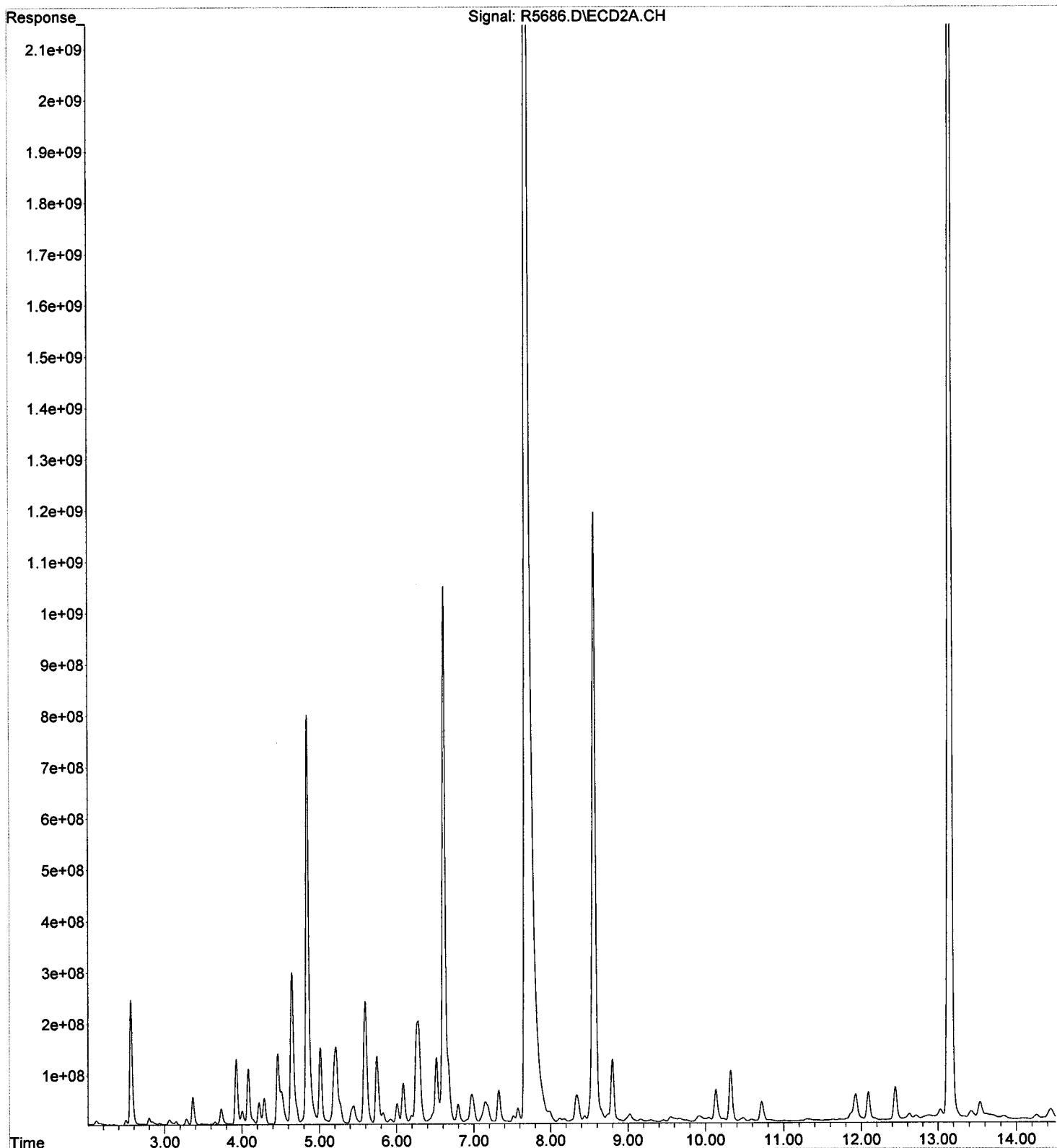
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



File : C:\MSDChem\1\DATA\12-04-13\R5686.D
Operator : JS
Acquired : 04 Dec 2013 22:07 using AcqMethod RPCB1115.M
Instrument : GC_R
Sample Name: HH-40_(2,E13-11775-001,S,5.56g,23.8,20
Misc Info : 131204-08,12/04/13,11/25/13,1
Vial Number: 32



File : C:\MSDChem\1\DATA\12-04-13\R5686.D
Operator : JS
Acquired : 04 Dec 2013 22:07 using AcqMethod RPCB1115.M
Instrument : GC_R
Sample Name: HH-40_(2,E13-11775-001,S,5.56g,23.8,20
Misc Info : 131204-08,12/04/13,11/25/13,1
Vial Number: 32



Data Path : C:\MSDCHEM\1\DATA\12-05-13\
 Data File : R5707.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 05 Dec 2013 9:39
 Operator : JS
 Sample : HH-40_(2,E13-11775-001DL,S,5.56g,23.8,20
 Misc : 131204-08,12/04/13,11/25/13,10
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Dec 05 15:28:25 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB1115.M
 Quant Title :
 QLast Update : Fri Nov 15 14:15:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

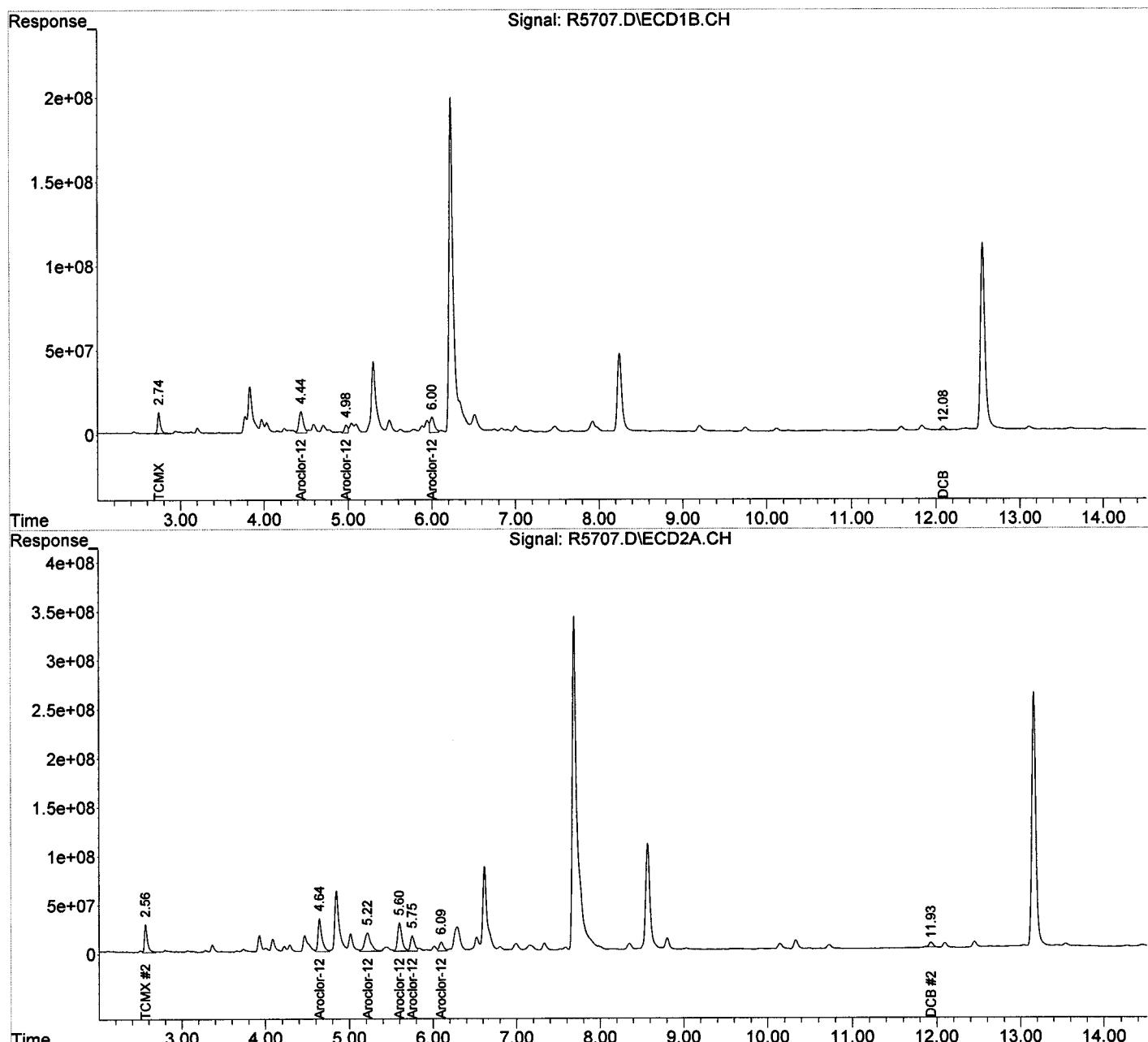
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>							
	System Monitoring Compounds						
1)	S TCMX	2.74	2.56	289.2E6	708.2E6	25.073	29.634
	Spiked Amount	200.000			Recovery	=	12.54% 14.82%
2)	S DCB	12.08	11.93	63918078	167.4E6	19.509m	26.476m#
	Spiked Amount	200.000			Recovery	=	9.75% 13.24%
<hr/>							
Target Compounds							
	Sum Aroclor-1016			0	0	N.D.	N.D.
	Average Aroclor-1016					0.000	0.000
	Sum Aroclor-1221			0	0	N.D.	N.D.
	Average Aroclor-1221					0.000	0.000
	Sum Aroclor-1232			0	0	N.D.	N.D.
	Average Aroclor-1232					0.000	0.000
	Sum Aroclor-1242			0	0	N.D.	N.D.
	Average Aroclor-1242					0.000	0.000
23)	L6 Aroclor-1248	4.44	4.65	456.6E6	1074.1E6	774.424	877.516
24)	L6 Aroclor-1248	{2}	4.98	5.22	122.9E6	973.5E6	359.341 521.495 #
25)	L6 Aroclor-1248	{3}	0.00	5.60	0	1034.8E6	N.D. d 782.531 #
26)	L6 Aroclor-1248	{4}	6.00	5.75	340.2E6	529.6E6	466.644 445.521
27)	L6 Aroclor-1248	{5}	0.00	6.09	0	318.4E6	N.D. d 502.379 #
	Sum Aroclor-1248				919.6E6	3930.3E6	1600.410 3129.442
	Average Aroclor-1248						533.470 625.888
	Sum Aroclor-1254			0	0	N.D.	N.D.
	Average Aroclor-1254					0.000	0.000
	Sum Aroclor-1260			0	0	N.D.	N.D.
	Average Aroclor-1260					0.000	0.000
	Sum Aroclor-1262			0	0	N.D.	N.D.
	Average Aroclor-1262					0.000	0.000
	Sum Aroclor-1268			0	0	N.D.	N.D.
	Average Aroclor-1268					0.000	0.000
<hr/>							

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\12-05-13\
Data File : R5707.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 05 Dec 2013 9:39
Operator : JS
Sample : HH-40_(2,E13-11775-001DL,S,5.56g,23.8,20
Misc : 131204-08,12/04/13,11/25/13,10
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 05 15:28:25 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1115.M
Quant Title :
QLast Update : Fri Nov 15 14:15:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\12-04-13\
 Data File : R5687.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 04 Dec 2013 22:24
 Operator : JS
 Sample : HH-40_(3,E13-11775-002,S,5.12g,22.1,20
 Misc : 131204-08,12/04/13,11/25/13,1
 ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Dec 05 13:58:50 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB1115.M
 Quant Title :
 QLast Update : Fri Nov 15 14:15:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

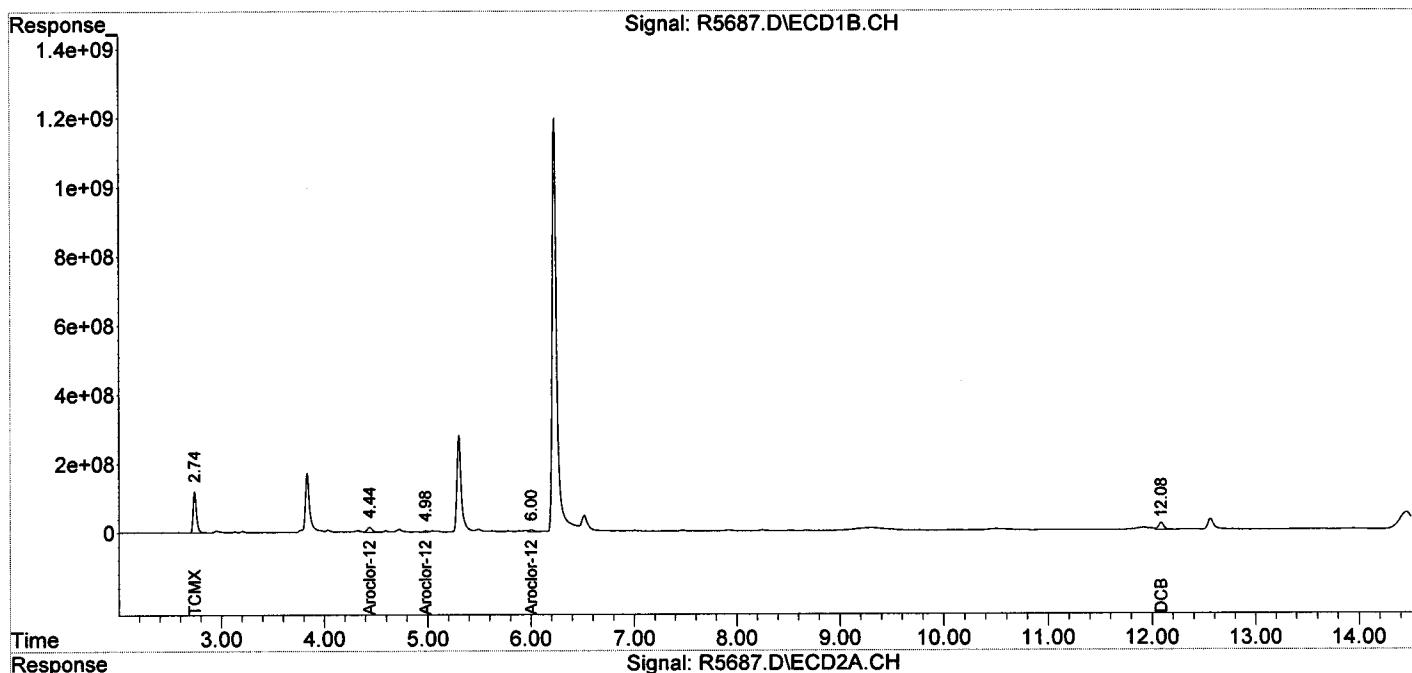
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>							
System Monitoring Compounds							
1)	S TCMX	2.74	2.56	2718.7E6	6515.8E6	235.746	272.630
	Spiked Amount	200.000			Recovery	= 117.87%	136.32%
2)	S DCB	12.08	11.93	739.9E6	1720.9E6	225.836	272.150
	Spiked Amount	200.000			Recovery	= 112.92%	136.07%
<hr/>							
Target Compounds							
	Sum Aroclor-1016			0	0	N.D.	N.D.
	Average Aroclor-1016					0.000	0.000
	Sum Aroclor-1221			0	0	N.D.	N.D.
	Average Aroclor-1221					0.000	0.000
	Sum Aroclor-1232			0	0	N.D.	N.D.
	Average Aroclor-1232					0.000	0.000
	Sum Aroclor-1242			0	0	N.D.	N.D.
	Average Aroclor-1242					0.000	0.000
23)	L6 Aroclor-1248	4.44	4.65	514.2E6	1009.1E6	872.092	824.386
24)	L6 Aroclor-1248	{2}	4.98	5.21	109.0E6	864.4E6	318.777
25)	L6 Aroclor-1248	{3}	0.00	5.59	0	967.9E6	N.D. d 731.960
26)	L6 Aroclor-1248	{4}	6.00	5.75	181.7E6	446.5E6	249.206
27)	L6 Aroclor-1248	{5}	0.00	6.09	0	186.9E6	N.D. d 294.897
	Sum Aroclor-1248				804.8E6	3474.8E6	1440.075
	Average Aroclor-1248						2689.950
						480.025	537.990
	Sum Aroclor-1254			0	0	N.D.	N.D.
	Average Aroclor-1254					0.000	0.000
	Sum Aroclor-1260			0	0	N.D.	N.D.
	Average Aroclor-1260					0.000	0.000
	Sum Aroclor-1262			0	0	N.D.	N.D.
	Average Aroclor-1262					0.000	0.000
	Sum Aroclor-1268			0	0	N.D.	N.D.
	Average Aroclor-1268					0.000	0.000
<hr/>							

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\12-04-13\
Data File : R5687.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 04 Dec 2013 22:24
Operator : JS
Sample : HH-40_(3,E13-11775-002,S,5.12g,22.1,20
Misc : 131204-08,12/04/13,11/25/13,1
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 05 13:58:50 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1115.M
Quant Title :
QLast Update : Fri Nov 15 14:15:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\12-05-13\
 Data File : R5709.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 05 Dec 2013 10:35
 Operator : JS
 Sample : HH-44_(2,E13-11775-003,S,5.13g,25.9,20
 Misc : 131204-08,12/04/13,11/25/13,1
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Dec 05 15:56:58 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB1115.M
 Quant Title :
 QLast Update : Fri Nov 15 14:15:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

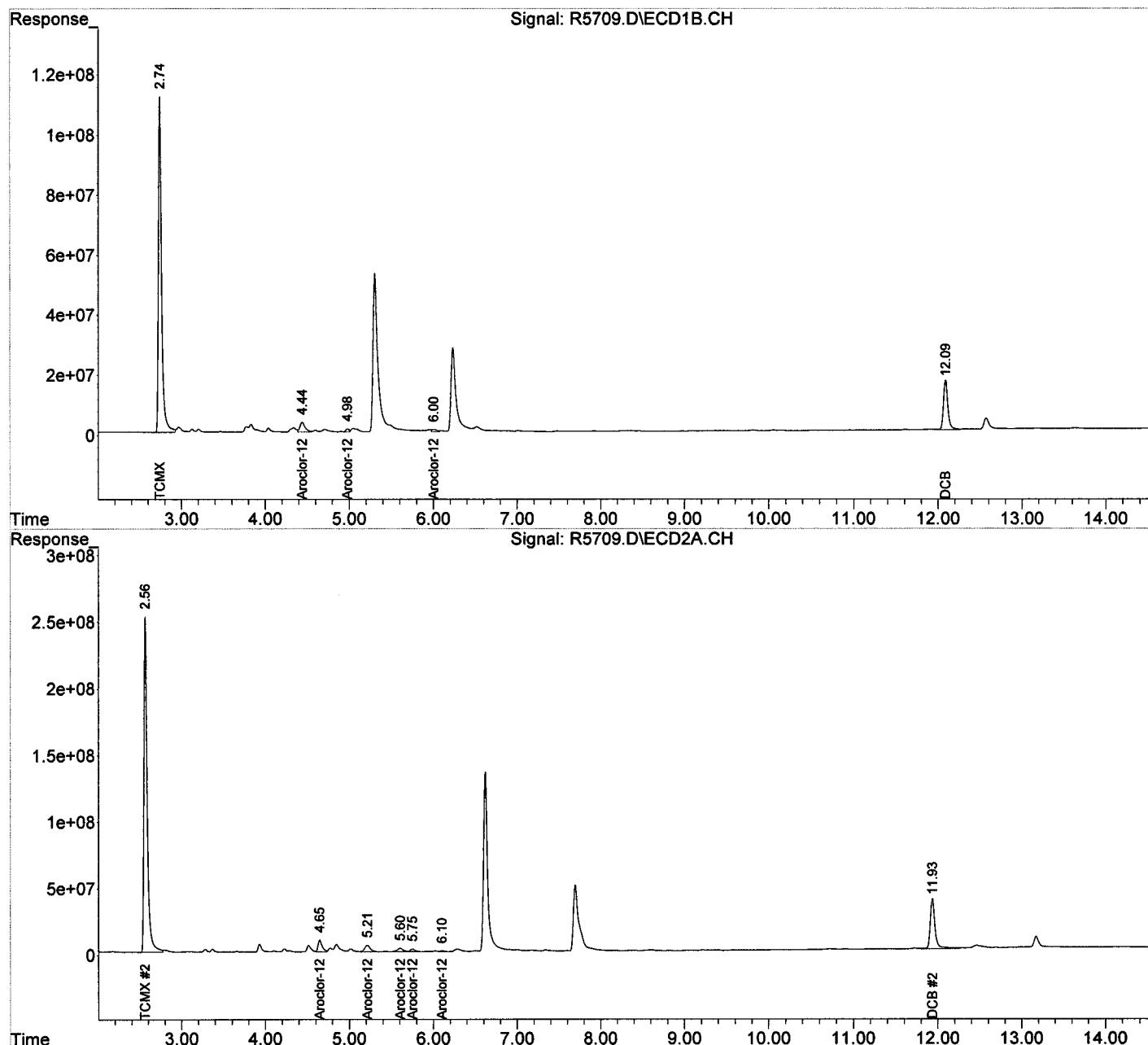
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.74	2.56	2917.6E6	6904.4E6	252.991	288.889
Spiked Amount	200.000			Recovery	= 126.50%	144.44%
2) S DCB	12.09	11.93	611.8E6	1504.4E6	186.740	237.917 #
Spiked Amount	200.000			Recovery	= 93.37%	118.96%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.44	4.65	142.6E6	307.0E6	241.881	250.820
24) L6 Aroclor-1248 {2}	4.98	5.21	30278576	227.4E6	88.531	121.842 #
25) L6 Aroclor-1248 {3}	0.00	5.60	0	121.1E6	N.D. d	91.545 #
26) L6 Aroclor-1248 {4}	6.00	5.75	35092071	71179855	48.139m	59.877
27) L6 Aroclor-1248 {5}	0.00	6.10	0	17309935	N.D. d	27.312 #
Sum Aroclor-1248			208.0E6	744.0E6	378.552	551.397
Average Aroclor-1248					126.184	110.279
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\12-05-13\
Data File : R5709.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 05 Dec 2013 10:35
Operator : JS
Sample : HH-44_(2,E13-11775-003,S,5.13g,25.9,20
Misc : 131204-08,12/04/13,11/25/13,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 05 15:56:58 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1115.M
Quant Title :
QLast Update : Fri Nov 15 14:15:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\12-04-13\
 Data File : R5690.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 04 Dec 2013 23:16
 Operator : JS
 Sample : BB-48_(2,E13-11775-005,S,5.31g,23.5,20
 Misc : 131204-08,12/04/13,11/25/13,1
 ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Dec 05 14:08:08 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB1115.M
 Quant Title :
 QLast Update : Fri Nov 15 14:15:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

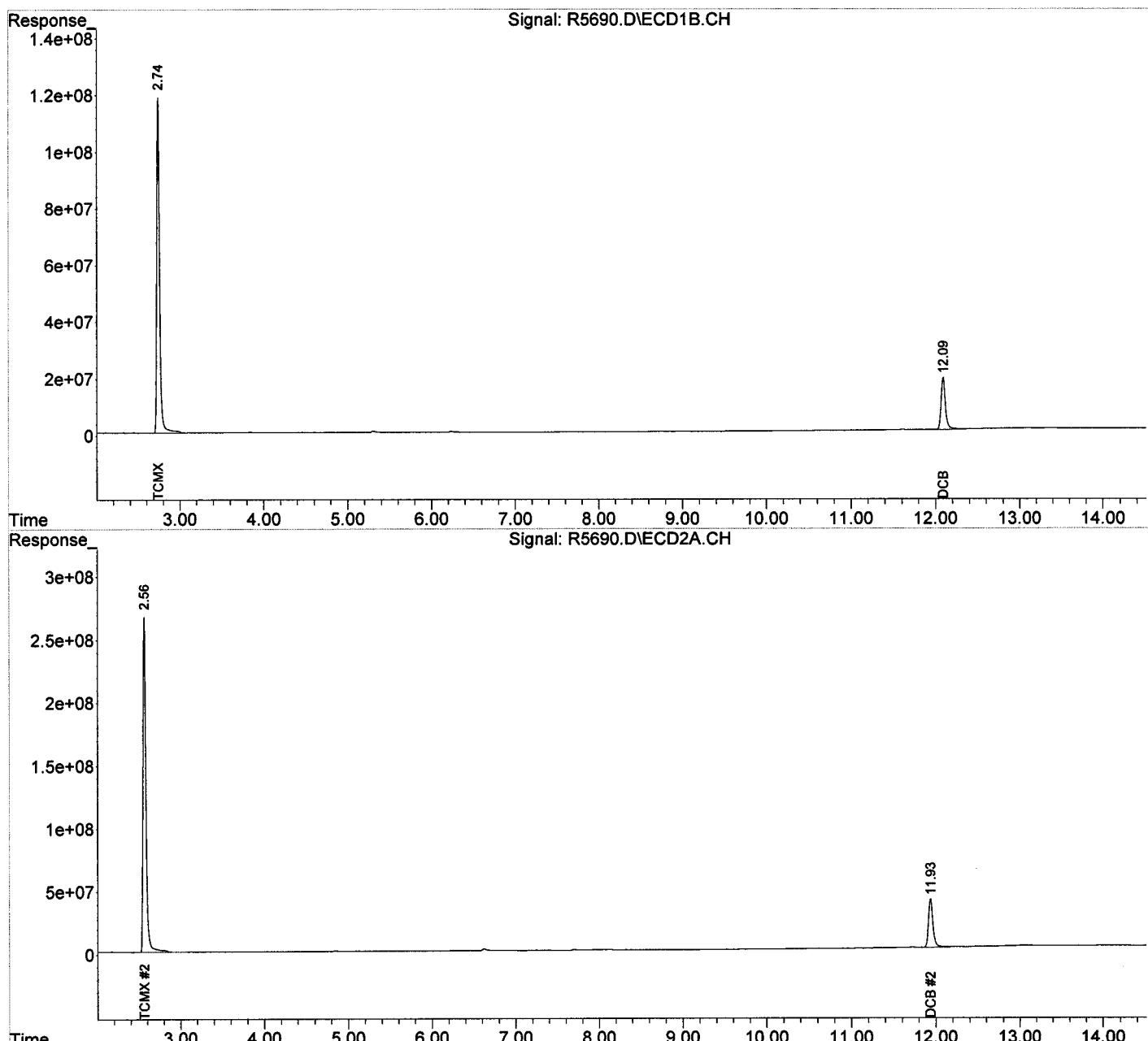
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.74	2.56	2830.2E6	6644.4E6	245.417	278.008
Spiked Amount	200.000			Recovery	= 122.71%	139.00%
2) S DCB	12.09	11.93	680.3E6	1445.2E6	207.628	228.549
Spiked Amount	200.000			Recovery	= 103.81%	114.27%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\12-04-13\
Data File : R5690.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 04 Dec 2013 23:16
Operator : JS
Sample : BB-48_(2,E13-11775-005,S,5.31g,23.5,20
Misc : 131204-08,12/04/13,11/25/13,1
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 05 14:08:08 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1115.M
Quant Title :
QLast Update : Fri Nov 15 14:15:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\12-04-13\
 Data File : R5692.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 04 Dec 2013 23:51
 Operator : JS
 Sample : AA-49_(1,E13-11775-007,S,5.19g,82.5,20
 Misc : 131204-08,12/04/13,11/25/13,1
 ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Dec 05 14:14:51 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB1115.M
 Quant Title :
 QLast Update : Fri Nov 15 14:15:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

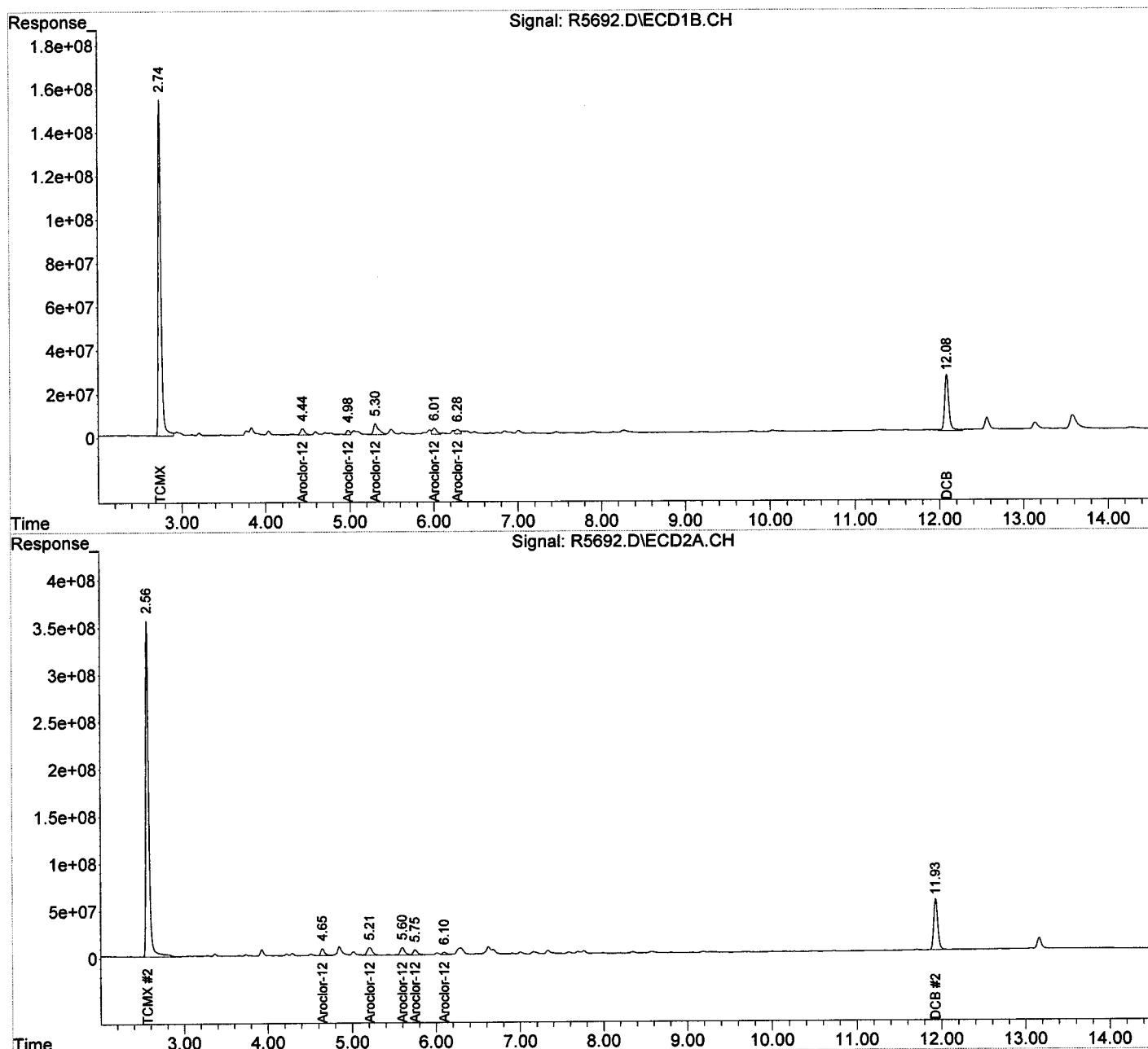
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.74	2.56	3579.8E6	8729.6E6	310.418	365.258
Spiked Amount	200.000			Recovery	= 155.21%	182.63%
2) S DCB	12.08	11.93	888.3E6	1826.3E6	271.133	288.821m
Spiked Amount	200.000			Recovery	= 135.57%	144.41%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.44	4.65	105.6E6	235.0E6	179.047	191.967
24) L6 Aroclor-1248 {2}	4.98	5.21	56714036	357.2E6	165.826	191.340
25) L6 Aroclor-1248 {3}	5.30	5.60	210.4E6	279.5E6	472.872	211.366 #
26) L6 Aroclor-1248 {4}	6.01	5.75	107.6E6	197.0E6	147.613	165.688
27) L6 Aroclor-1248 {5}	6.28	6.10	80373610	90004806	163.019	142.014
Sum Aroclor-1248			560.6E6	1158.6E6	1128.376	902.376
Average Aroclor-1248					225.675	180.475
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\12-04-13\
Data File : R5692.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 04 Dec 2013 23:51
Operator : JS
Sample : AA-49_(1,E13-11775-007,S,5.19g,82.5,20
Misc : 131204-08,12/04/13,11/25/13,1
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 05 14:14:51 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1115.M
Quant Title :
QLast Update : Fri Nov 15 14:15:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\12-04-13\
 Data File : R5693.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 05 Dec 2013 00:08
 Operator : JS
 Sample : AA-49_(0,E13-11775-008,S,5.13g,73.3,20
 Misc : 131204-08,12/04/13,11/25/13,1
 ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Dec 05 14:17:38 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB1115.M
 Quant Title :
 QLast Update : Fri Nov 15 14:15:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

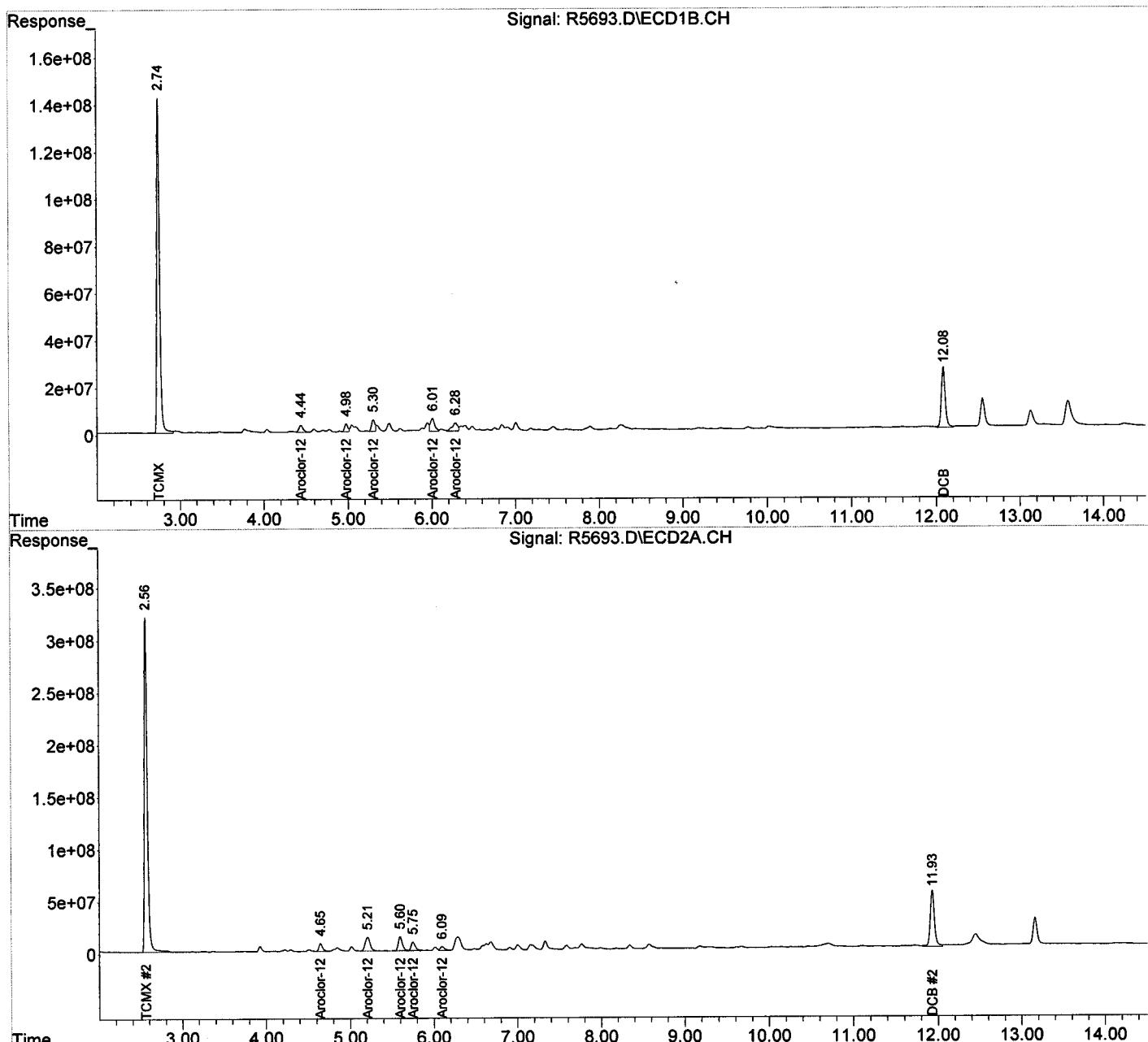
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.74	2.56	3341.7E6	7923.2E6	289.768	331.518
Spiked Amount	200.000			Recovery	= 144.88%	165.76%
2) S DCB	12.08	11.93	825.0E6	1873.2E6	251.813	296.234
Spiked Amount	200.000			Recovery	= 125.91%	148.12%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.44	4.65	99773446	236.1E6	169.233	192.909
24) L6 Aroclor-1248 {2}	4.98	5.21	92304117	566.7E6	269.887	303.618
25) L6 Aroclor-1248 {3}	5.30	5.60	136.2E6	459.2E6	306.222m	347.255
26) L6 Aroclor-1248 {4}	6.01	5.75	195.6E6	299.1E6	268.263	251.640
27) L6 Aroclor-1248 {5}	6.28	6.09	160.3E6	144.3E6	325.116	227.653 #
Sum Aroclor-1248			684.2E6	1705.5E6	1338.721	1323.075
Average Aroclor-1248					267.744	264.615
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\12-04-13\
Data File : R5693.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 05 Dec 2013 00:08
Operator : JS
Sample : AA-49_(0,E13-11775-008,S,5.13g,73.3,20
Misc : 131204-08,12/04/13,11/25/13,1
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 05 14:17:38 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1115.M
Quant Title :
QLast Update : Fri Nov 15 14:15:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\12-05-13\
 Data File : R5711.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 05 Dec 2013 11:10
 Operator : JS
 Sample : CC-46_(1,E13-11775-009,S,5.55g,82.2,20
 Misc : 131204-08,12/04/13,11/25/13,1
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Dec 05 15:50:36 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB1115.M
 Quant Title :
 QLast Update : Fri Nov 15 14:15:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

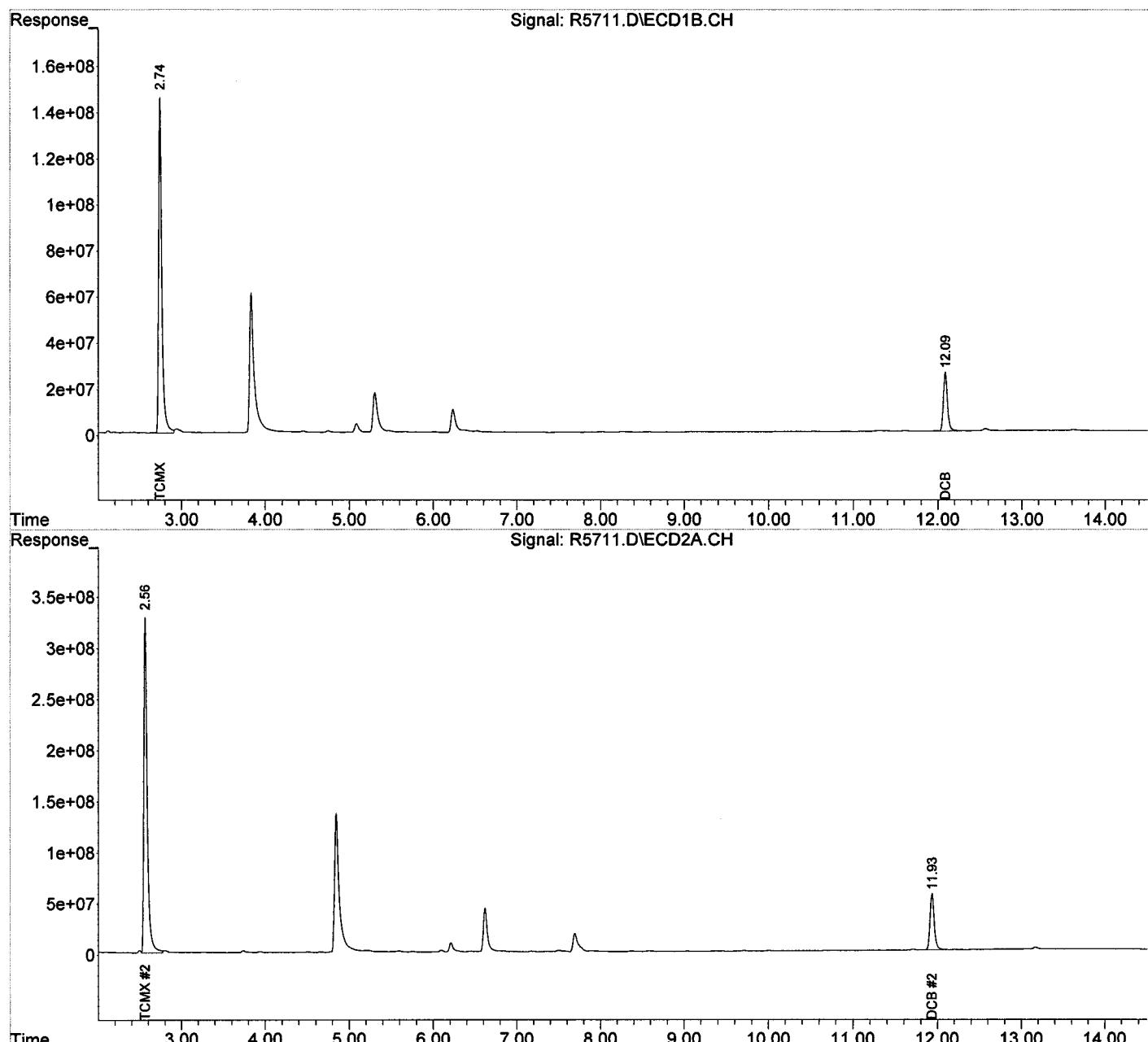
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.74	2.56	3813.1E6	9168.7E6	330.644	383.631
Spiked Amount	200.000			Recovery	= 165.32%	191.82%
2) S DCB	12.09	11.93	862.8E6	1893.2E6	263.341m	299.395m
Spiked Amount	200.000			Recovery	= 131.67%	149.70%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\12-05-13\
Data File : R5711.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 05 Dec 2013 11:10
Operator : JS
Sample : CC-46_(1,E13-11775-009,S,5.55g,82.2,20
Misc : 131204-08,12/04/13,11/25/13,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 05 15:50:36 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1115.M
Quant Title :
QLast Update : Fri Nov 15 14:15:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\12-04-13\
 Data File : R5695.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 05 Dec 2013 00:43
 Operator : JS
 Sample : CC-46_(2,E13-11775-010,S,5.58g,24.4,20
 Misc : 131204-08,12/04/13,11/25/13,1
 ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Dec 05 14:18:39 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB1115.M
 Quant Title :
 QLast Update : Fri Nov 15 14:15:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

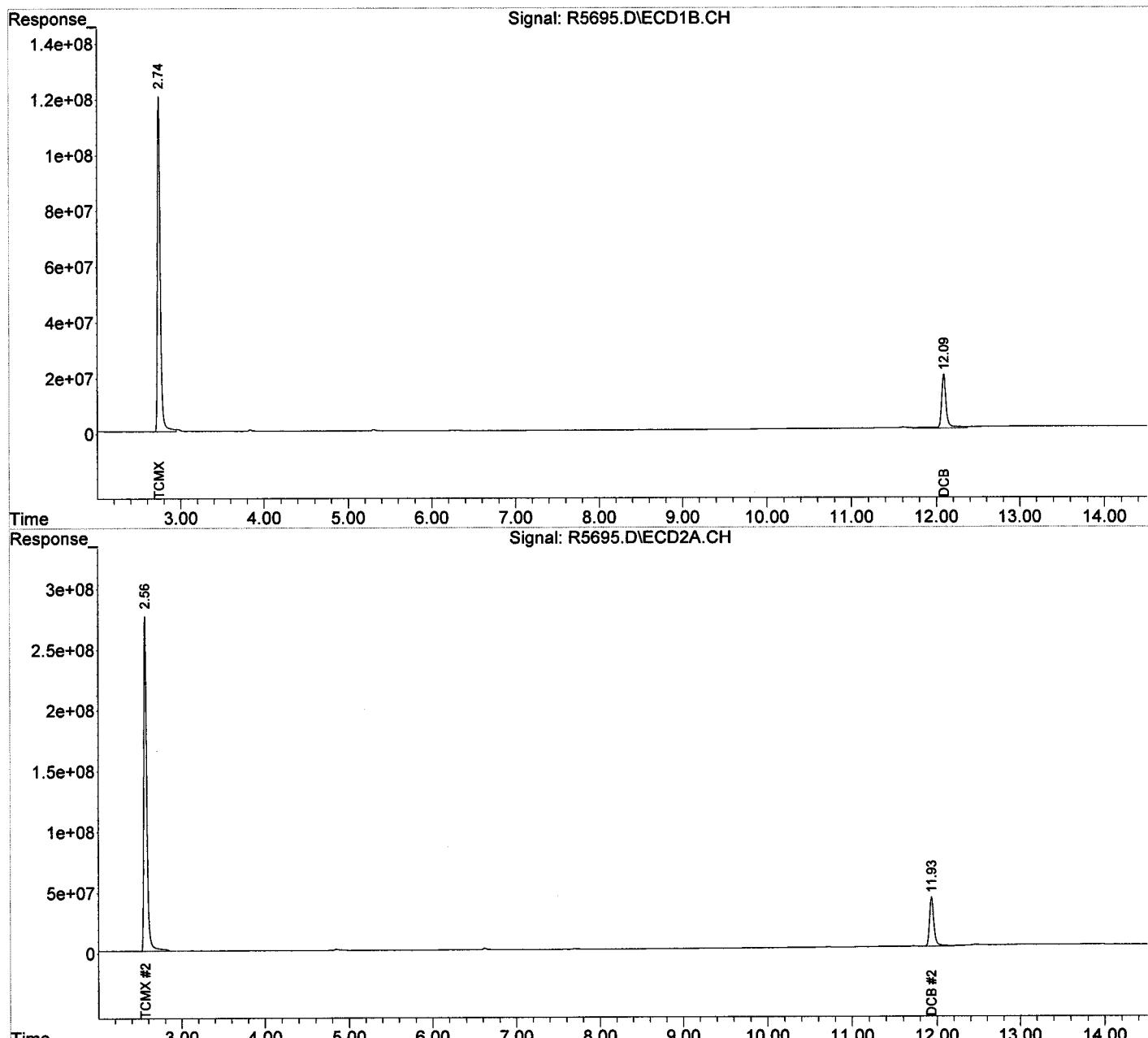
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.74	2.56	2859.2E6	6791.9E6	247.930	284.180
Spiked Amount	200.000			Recovery	= 123.97%	142.09%
2) S DCB	12.09	11.93	798.7E6	1463.6E6	243.777	231.459
Spiked Amount	200.000			Recovery	= 121.89%	115.73%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\12-04-13\
Data File : R5695.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 05 Dec 2013 00:43
Operator : JS
Sample : CC-46_(2,E13-11775-010,S,5.58g,24.4,20
Misc : 131204-08,12/04/13,11/25/13,1
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 05 14:18:39 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1115.M
Quant Title :
QLast Update : Fri Nov 15 14:15:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\12-04-13\
 Data File : R5696.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 05 Dec 2013 1:01
 Operator : JS
 Sample : DD-46_(1,E13-11775-011,S,5.35g,83.8,20
 Misc : 131204-08,12/04/13,11/25/13,1
 ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Dec 05 14:20:40 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB1115.M
 Quant Title :
 QLast Update : Fri Nov 15 14:15:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

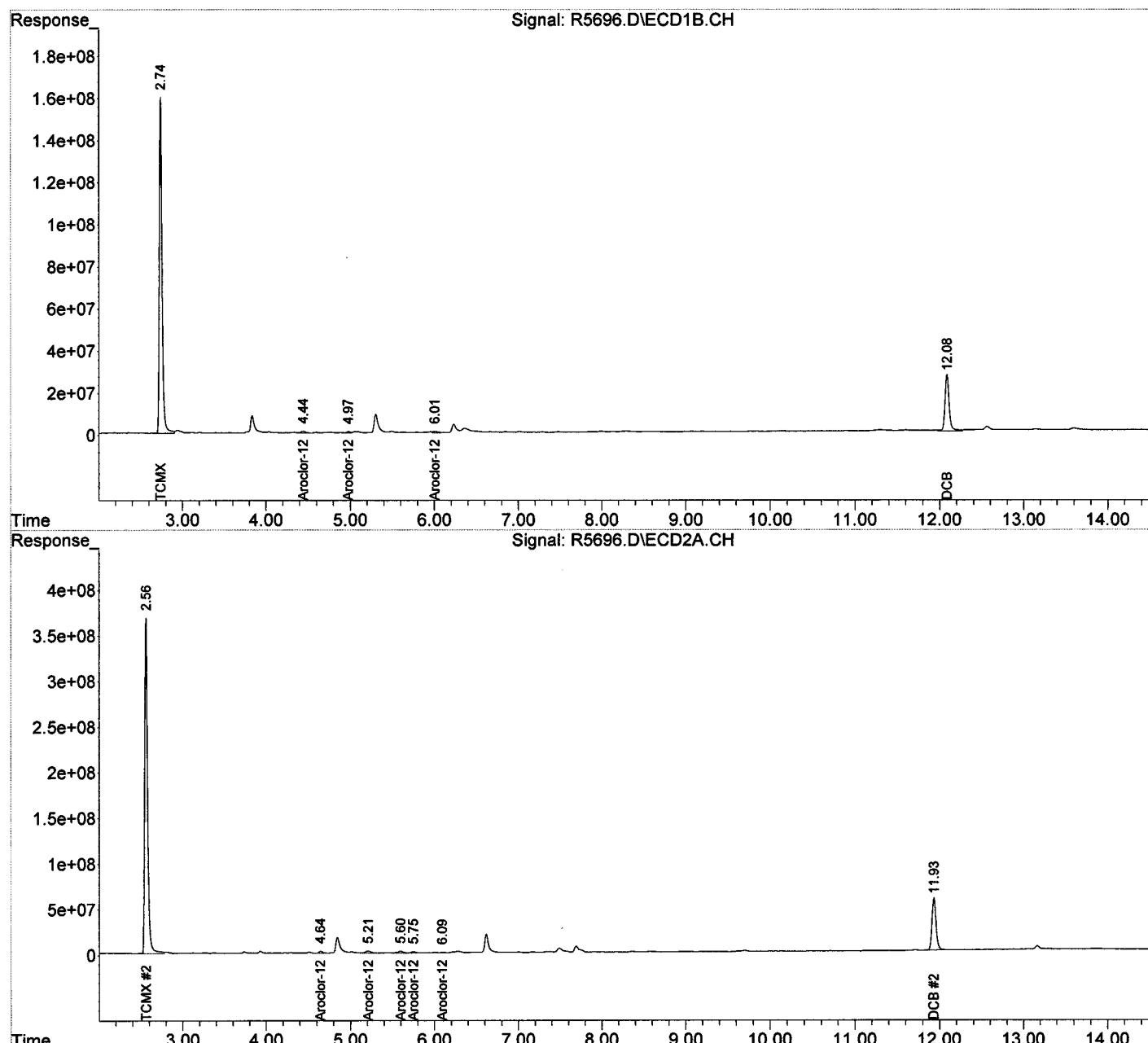
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2	
<hr/>								
	System Monitoring Compounds							
1) S	TCMX	2.74	2.56	3614.3E6	8745.7E6	313.404	365.930	
	Spiked Amount	200.000			Recovery	= 156.70%	182.97%	
2) S	DCB	12.08	11.93	945.4E6	1875.1E6	288.554	296.529m	
	Spiked Amount	200.000			Recovery	= 144.28%	148.26%	
<hr/>								
Target Compounds								
	Sum Aroclor-1016			0	0	N.D.	N.D.	
Average	Aroclor-1016					0.000	0.000	
	Sum Aroclor-1221			0	0	N.D.	N.D.	
Average	Aroclor-1221					0.000	0.000	
	Sum Aroclor-1232			0	0	N.D.	N.D.	
Average	Aroclor-1232					0.000	0.000	
	Sum Aroclor-1242			0	0	N.D.	N.D.	
Average	Aroclor-1242					0.000	0.000	
23) L6	Aroclor-1248	4.44	4.64	31395401	63093253	53.252	51.546	
24) L6	Aroclor-1248	{2}	4.98	5.21	16160111	97212151	47.250	52.078
25) L6	Aroclor-1248	{3}	0.00	5.60	0	86968484	N.D. d	65.769 #
26) L6	Aroclor-1248	{4}	6.01	5.75	25539238	44693753	35.035	37.597
27) L6	Aroclor-1248	{5}	0.00	6.09	0	22979034	N.D. d	36.257 #
	Sum Aroclor-1248			73094750	314.9E6	135.537	243.248	
Average	Aroclor-1248					45.179	48.650	
	Sum Aroclor-1254			0	0	N.D.	N.D.	
Average	Aroclor-1254					0.000	0.000	
	Sum Aroclor-1260			0	0	N.D.	N.D.	
Average	Aroclor-1260					0.000	0.000	
	Sum Aroclor-1262			0	0	N.D.	N.D.	
Average	Aroclor-1262					0.000	0.000	
	Sum Aroclor-1268			0	0	N.D.	N.D.	
Average	Aroclor-1268					0.000	0.000	
<hr/>								

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\12-04-13\
Data File : R5696.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 05 Dec 2013 1:01
Operator : JS
Sample : DD-46_(1,E13-11775-011,S,5.35g,83.8,20
Misc : 131204-08,12/04/13,11/25/13,1
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 05 14:20:40 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1115.M
Quant Title :
QLast Update : Fri Nov 15 14:15:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\12-04-13\
 Data File : R5697.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 05 Dec 2013 1:18
 Operator : JS
 Sample : DD-46_(2,E13-11775-012,S,5.26g,24.7,20
 Misc : 131204-08,12/04/13,11/25/13,1
 ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Dec 05 14:21:31 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB1115.M
 Quant Title :
 QLast Update : Fri Nov 15 14:15:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

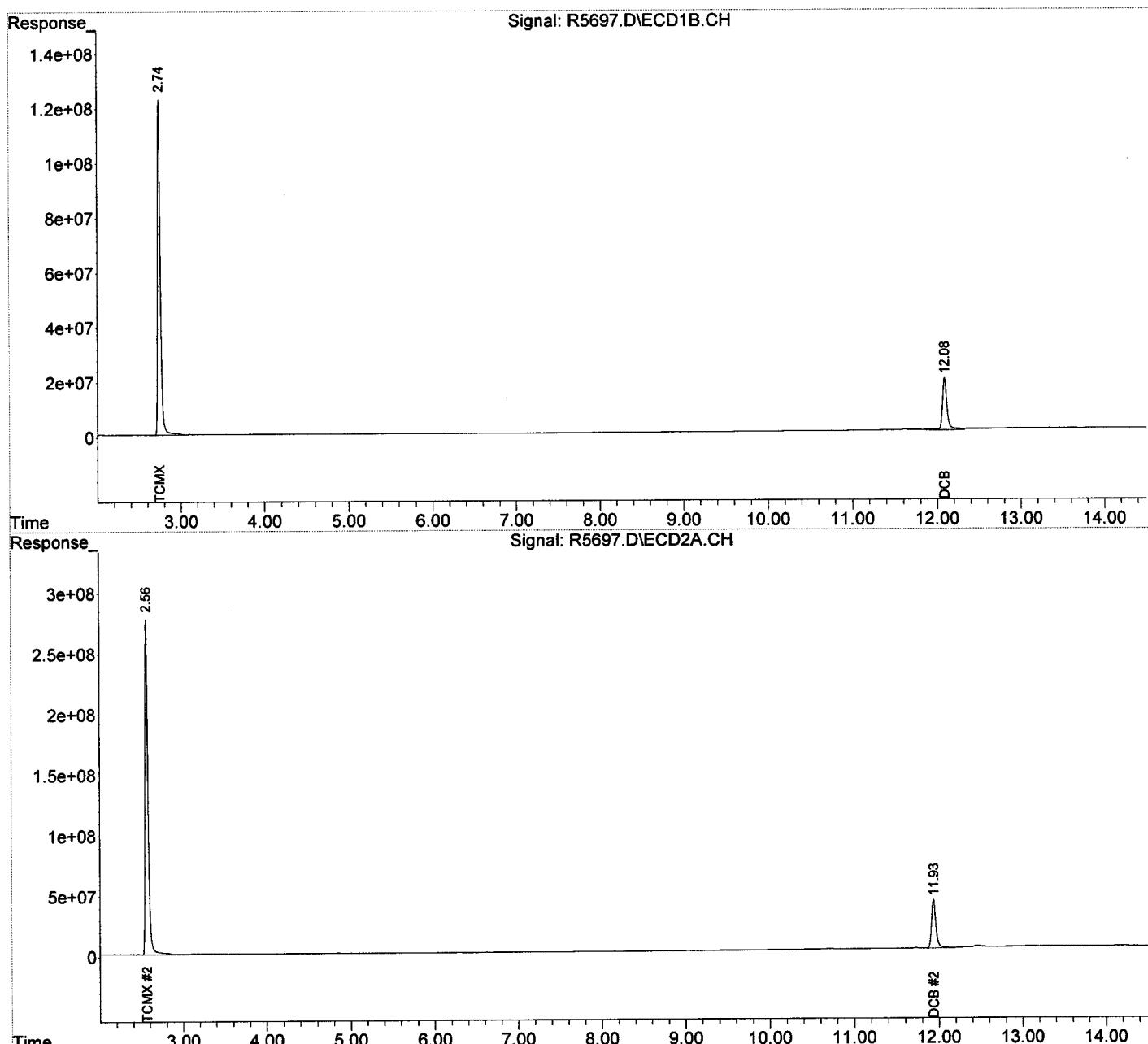
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.74	2.56	2869.4E6	6743.0E6	248.811	282.136
Spiked Amount	200.000			Recovery	= 124.41%	141.07%
2) S DCB	12.08	11.93	735.1E6	1443.1E6	224.365	228.221
Spiked Amount	200.000			Recovery	= 112.18%	114.11%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\12-04-13\
Data File : R5697.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 05 Dec 2013 1:18
Operator : JS
Sample : DD-46_(2,E13-11775-012,S,5.26g,24.7,20
Misc : 131204-08,12/04/13,11/25/13,1
ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 05 14:21:31 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1115.M
Quant Title :
QLast Update : Fri Nov 15 14:15:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\12-05-13\
 Data File : R5712.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 05 Dec 2013 11:28
 Operator : JS
 Sample : FF-45E_(,E13-11775-013,S,5.55g,22.7,20
 Misc : 131204-08,12/04/13,11/25/13,1
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Dec 05 15:47:29 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB1115.M
 Quant Title :
 QLast Update : Fri Nov 15 14:15:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

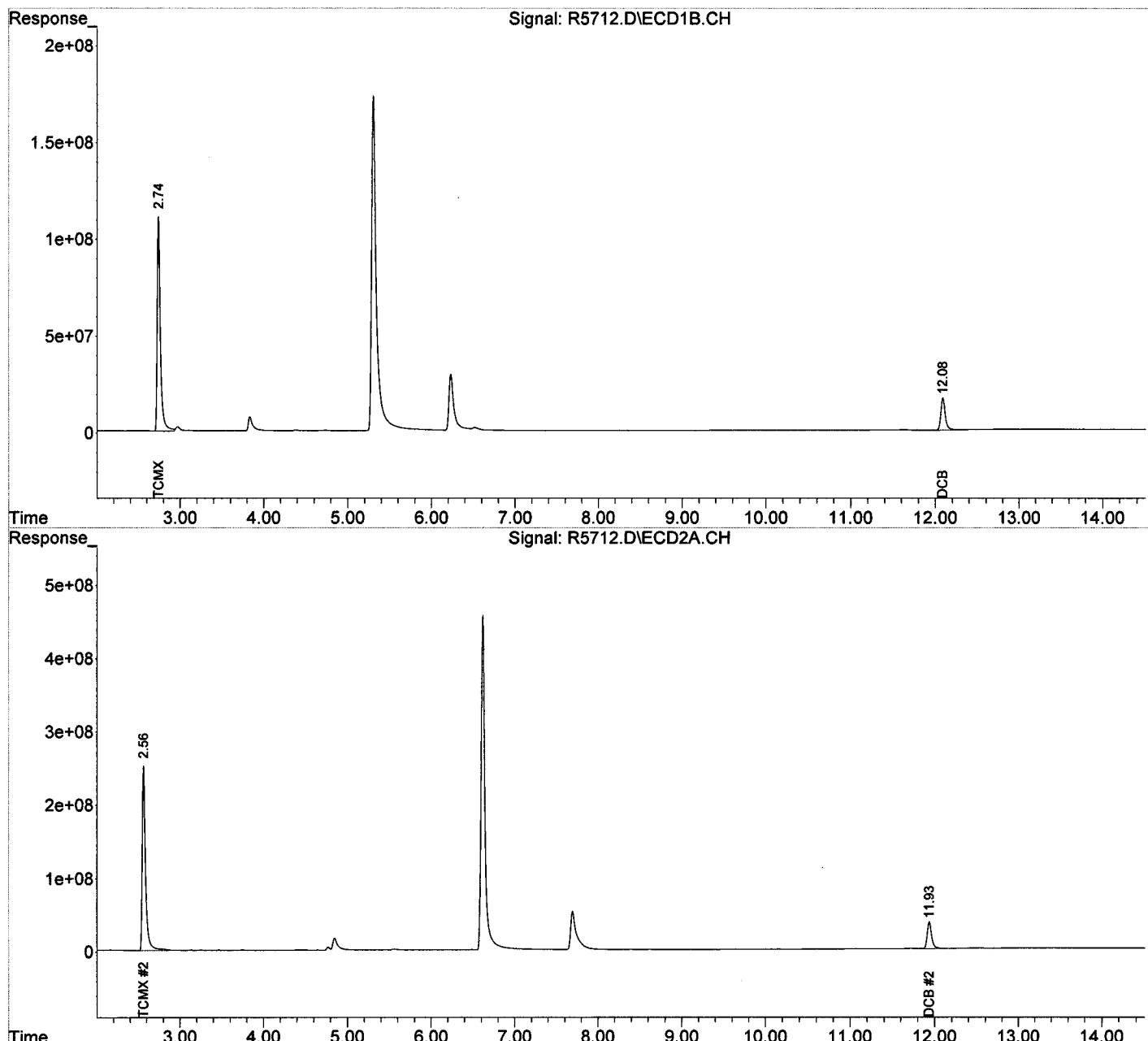
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.74	2.56	2913.7E6	6996.9E6	252.656	292.760
Spiked Amount	200.000			Recovery	= 126.33%	146.38%
2) S DCB	12.09	11.93	666.5E6	1331.9E6	203.444	210.636
Spiked Amount	200.000			Recovery	= 101.72%	105.32%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\12-05-13\
Data File : R5712.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 05 Dec 2013 11:28
Operator : JS
Sample : FF-45E_(,E13-11775-013,S,5.55g,22.7,20
Misc : 131204-08,12/04/13,11/25/13,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 05 15:47:29 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1115.M
Quant Title :
QLast Update : Fri Nov 15 14:15:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\12-04-13\
 Data File : R5700.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 05 Dec 2013 2:10
 Operator : JS
 Sample : FF-45S_(,E13-11775-015,S,5.31g,61.2,20
 Misc : 131204-08,12/04/13,11/25/13,1
 ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Dec 05 14:28:48 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB1115.M
 Quant Title :
 QLast Update : Fri Nov 15 14:15:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

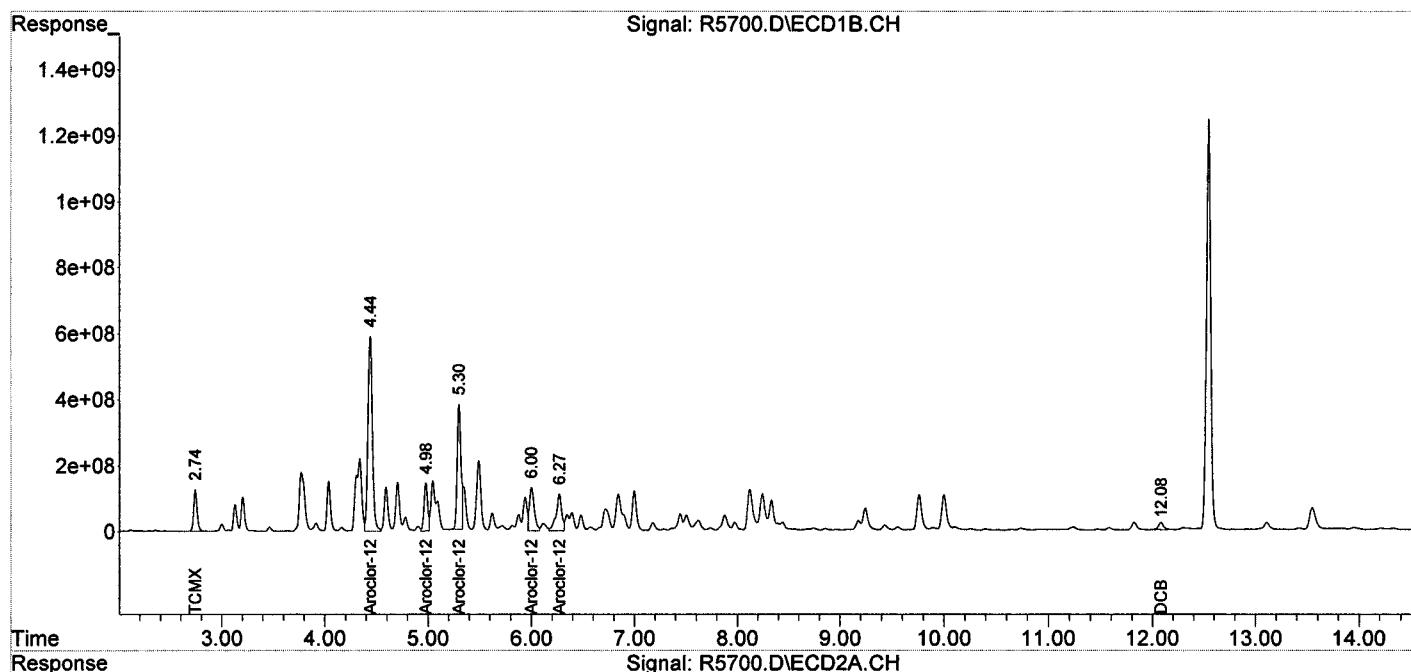
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>							
System Monitoring Compounds							
1) S	TCMX	2.74	2.56	2945.5E6	6164.7E6	255.416	257.941
	Spiked Amount	200.000			Recovery	= 127.71%	128.97%
2) S	DCB	12.08	11.93	740.8E6	1277.5E6	226.119m	202.029m
	Spiked Amount	200.000			Recovery	= 113.06%	101.01%
<hr/>							
Target Compounds							
	Sum Aroclor-1016			0	0	N.D.	N.D.
	Average Aroclor-1016					0.000	0.000
	Sum Aroclor-1221			0	0	N.D.	N.D.
	Average Aroclor-1221					0.000	0.000
	Sum Aroclor-1232			0	0	N.D.	N.D.
	Average Aroclor-1232					0.000	0.000
	Sum Aroclor-1242			0	0	N.D.	N.D.
	Average Aroclor-1242					0.000	0.000
23)	L6 Aroclor-1248	4.44	4.64	17775.5E6	37118.5E6	30150.309	30325.290
24)	L6 Aroclor-1248 {2}	4.98	5.21	3573.6E6	21864.0E6	10448.696	11712.920
25)	L6 Aroclor-1248 {3}	5.30	5.60	9303.2E6	17881.8E6	20912.754m	13522.976 #
26)	L6 Aroclor-1248 {4}	6.00	5.75	4403.0E6	13561.9E6	6040.056	11408.428 #
27)	L6 Aroclor-1248 {5}	6.27	6.09	4175.1E6	3101.6E6	8468.188	4893.920 #
	Sum Aroclor-1248			39230.3E6	93527.7E6	76020.004	71863.533
	Average Aroclor-1248					15204.001	14372.707
	Sum Aroclor-1254			0	0	N.D.	N.D.
	Average Aroclor-1254					0.000	0.000
	Sum Aroclor-1260			0	0	N.D.	N.D.
	Average Aroclor-1260					0.000	0.000
	Sum Aroclor-1262			0	0	N.D.	N.D.
	Average Aroclor-1262					0.000	0.000
	Sum Aroclor-1268			0	0	N.D.	N.D.
	Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

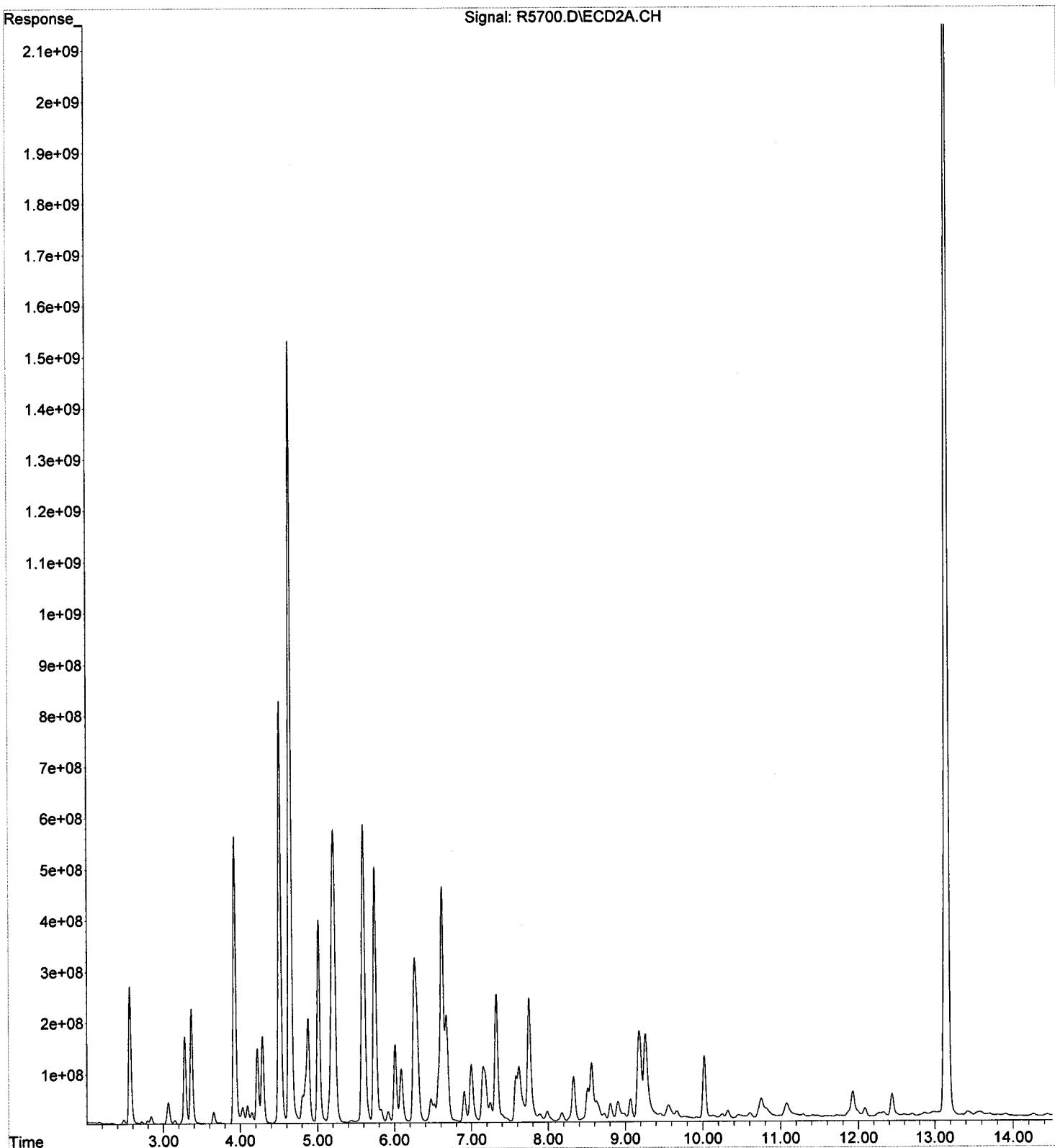
Data Path : C:\MSDCHEM\1\DATA\12-04-13\
Data File : R5700.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 05 Dec 2013 2:10
Operator : JS
Sample : FF-45S_(,E13-11775-015,S,5.31g,61.2,20
Misc : 131204-08,12/04/13,11/25/13,1
ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 05 14:28:48 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1115.M
Quant Title :
QLast Update : Fri Nov 15 14:15:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



File : C:\MSDChem\1\DATA\12-04-13\R5700.D
Operator : JS
Acquired : 05 Dec 2013 2:10 using AcqMethod RPCB1115.M
Instrument : GC_R
Sample Name: FF-45S_(,E13-11775-015,S,5.31g,61.2,20
Misc Info : 131204-08,12/04/13,11/25/13,1
Vial Number: 46



Data Path : C:\MSDCHEM\1\DATA\12-05-13\
 Data File : R5708.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 05 Dec 2013 10:18
 Operator : JS
 Sample : FF-45S_(,E13-11775-015DL,S,5.31g,61.2,20
 Misc : 131204-08,12/04/13,11/25/13,40
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Dec 05 15:30:26 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB1115.M
 Quant Title :
 QLast Update : Fri Nov 15 14:15:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

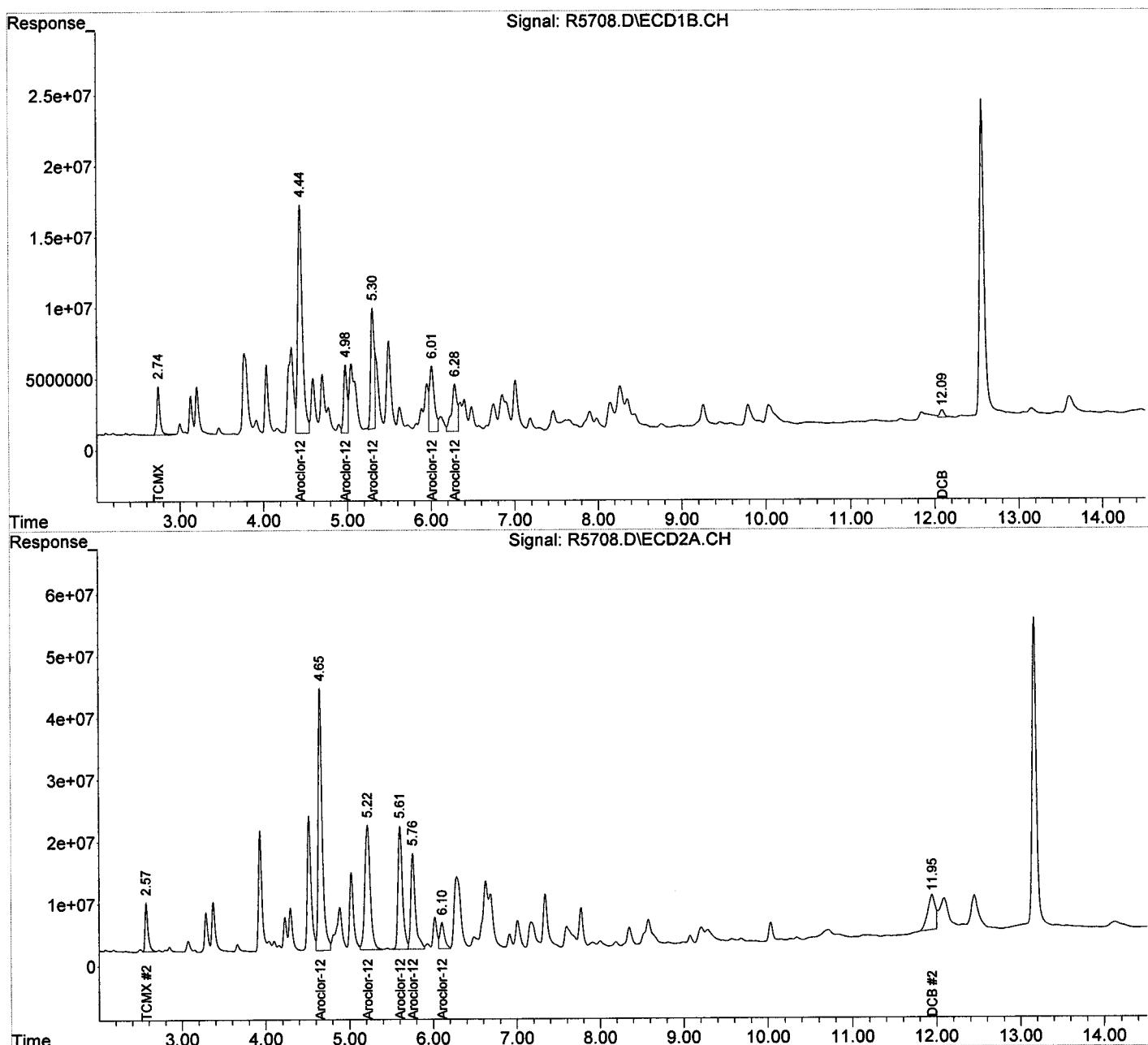
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.74	2.57	86626028	192.3E6	7.512	8.044m
Spiked Amount	200.000			Recovery	=	3.76% 4.02%
2) S DCB	12.09	11.95	19334824	343.1E6	5.901m	54.256m#
Spiked Amount	200.000			Recovery	=	2.95% 27.13%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.44	4.65	620.3E6	1408.3E6	1052.066	1150.563
24) L6 Aroclor-1248	{2}	4.98	5.22	133.5E6	915.3E6	390.410 490.354 #
25) L6 Aroclor-1248	{3}	5.30	5.61	247.3E6	735.9E6	555.972m 556.527
26) L6 Aroclor-1248	{4}	6.01	5.76	186.8E6	576.0E6	256.302 484.580 #
27) L6 Aroclor-1248	{5}	6.28	6.10	148.2E6	159.8E6	300.595 252.149
Sum Aroclor-1248				1336.2E6	3795.4E6	2555.345 2934.172
Average Aroclor-1248						511.069 586.834
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\12-05-13\
Data File : R5708.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 05 Dec 2013 10:18
Operator : JS
Sample : FF-45S_(,E13-11775-015DL,S,5.31g,61.2,20
Misc : 131204-08,12/04/13,11/25/13,40
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 05 15:30:26 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1115.M
Quant Title :
QLast Update : Fri Nov 15 14:15:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\12-05-13\
 Data File : R5706.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 05 Dec 2013 9:21
 Operator : JS
 Sample : FF-45S_(,E13-11775-016,S,5.59g,21.2,20
 Misc : 131204-08,12/04/13,11/25/13,1
 ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Dec 05 14:34:09 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB1115.M
 Quant Title :
 QLast Update : Fri Nov 15 14:15:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

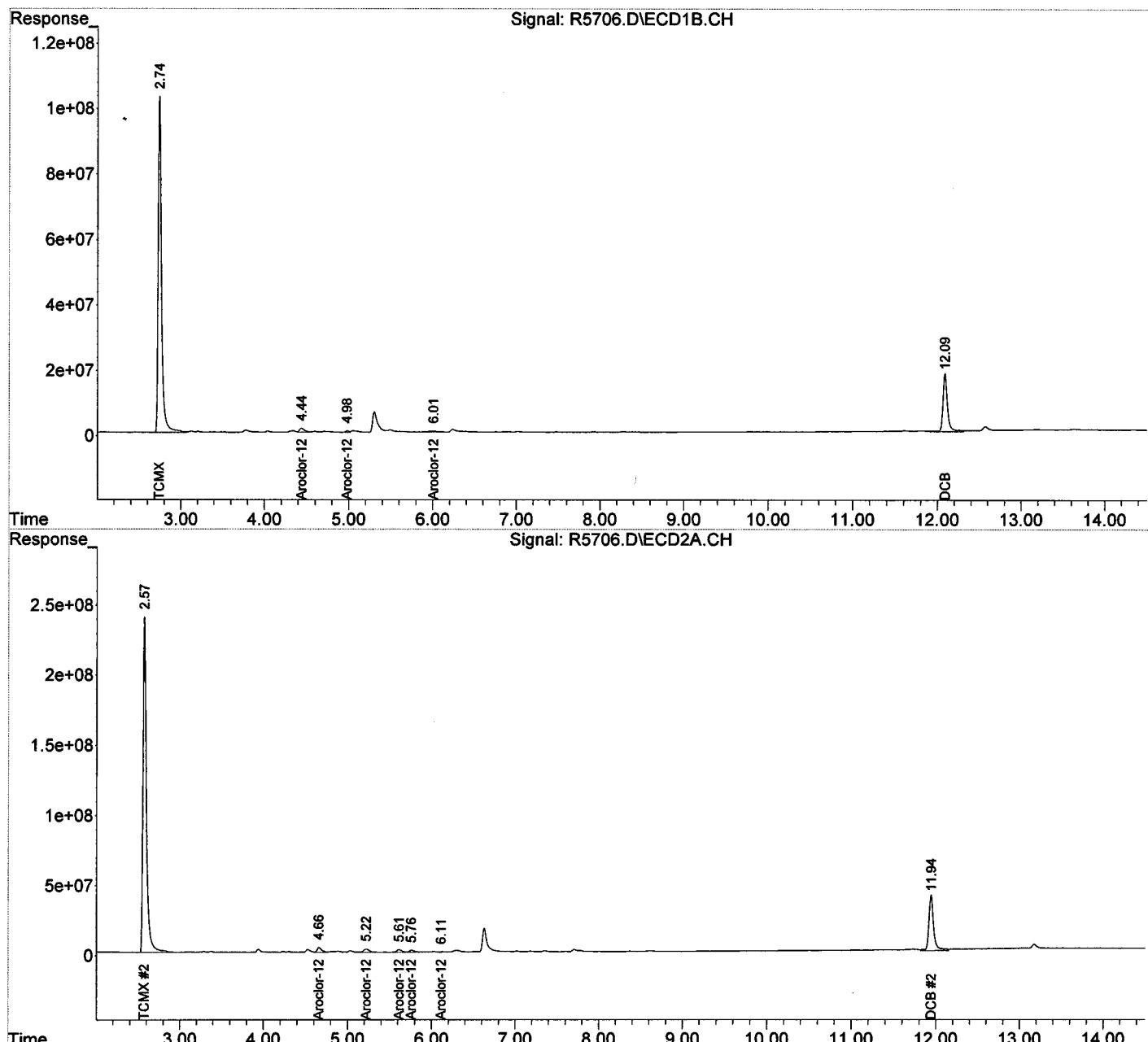
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.74	2.57	2845.2E6	6893.9E6	246.716	288.451
Spiked Amount	200.000			Recovery	= 123.36%	144.23%
2) S DCB	12.09	11.94	675.3E6	1567.7E6	206.121	247.922
Spiked Amount	200.000			Recovery	= 103.06%	123.96%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.44	4.66	53155657	131.3E6	90.161	107.307
24) L6 Aroclor-1248 {2}	4.98	5.22	13501340	107.4E6	39.476	57.539 #
25) L6 Aroclor-1248 {3}	0.00	5.61	0	73813701	N.D. d	55.821 #
26) L6 Aroclor-1248 {4}	6.01	5.76	22974356	56662625	31.516m	47.665 #
27) L6 Aroclor-1248 {5}	0.00	6.11	0	14078138	N.D. d	22.213 #
Sum Aroclor-1248			89631352	383.3E6	161.154	290.546
Average Aroclor-1248					53.718	58.109
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\12-05-13\
Data File : R5706.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 05 Dec 2013 9:21
Operator : JS
Sample : FF-45S_(,E13-11775-016,S,5.59g,21.2,20
Misc : 131204-08,12/04/13,11/25/13,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 05 14:34:09 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1115.M
Quant Title :
QLast Update : Fri Nov 15 14:15:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\12-05-13\
 Data File : R5714.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 05 Dec 2013 12:02
 Operator : JS
 Sample : FF-46_(2,E13-11775-017,S,5.73g,23.3,20
 Misc : 131204-08,12/04/13,11/25/13,1
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Dec 05 15:38:02 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB1115.M
 Quant Title :
 QLast Update : Fri Nov 15 14:15:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

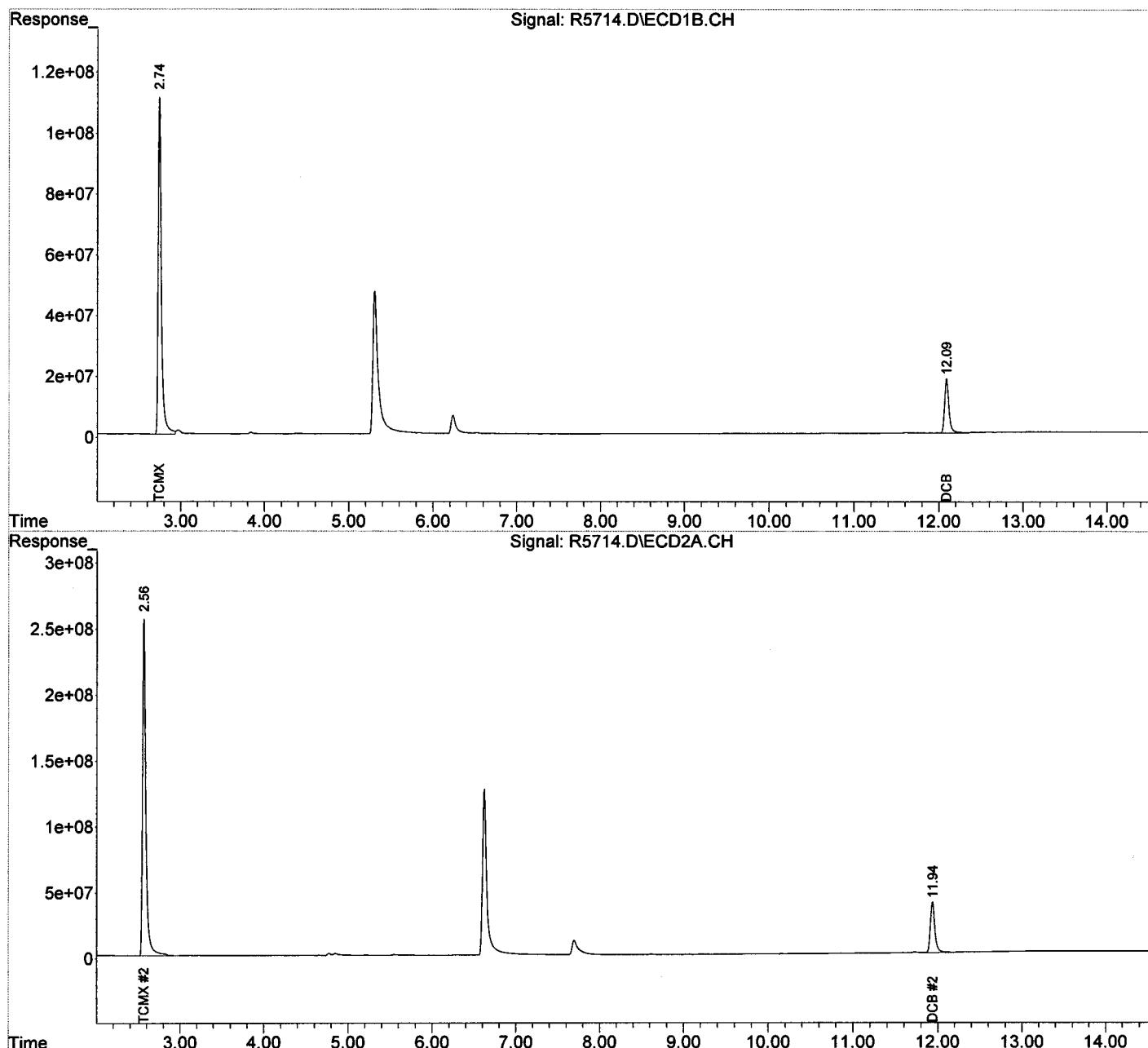
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.74	2.56	2941.8E6	7066.4E6	255.093	295.667
Spiked Amount	200.000			Recovery	= 127.55%	147.83%
2) S DCB	12.09	11.94	647.6E6	1437.5E6	197.664	227.331
Spiked Amount	200.000			Recovery	= 98.83%	113.67%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\12-05-13\
Data File : R5714.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 05 Dec 2013 12:02
Operator : JS
Sample : FF-46_(2,E13-11775-017,S,5.73g,23.3,20
Misc : 131204-08,12/04/13,11/25/13,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 05 15:38:02 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1115.M
Quant Title :
QLast Update : Fri Nov 15 14:15:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\12-04-13\
 Data File : R5703.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 05 Dec 2013 3:02
 Operator : JS
 Sample : GG-47_(0,E13-11775-018,S,5.88g,8.10,20
 Misc : 131204-08,12/04/13,11/25/13,1
 ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Dec 05 16:03:11 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB1115.M
 Quant Title :
 QLast Update : Fri Nov 15 14:15:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

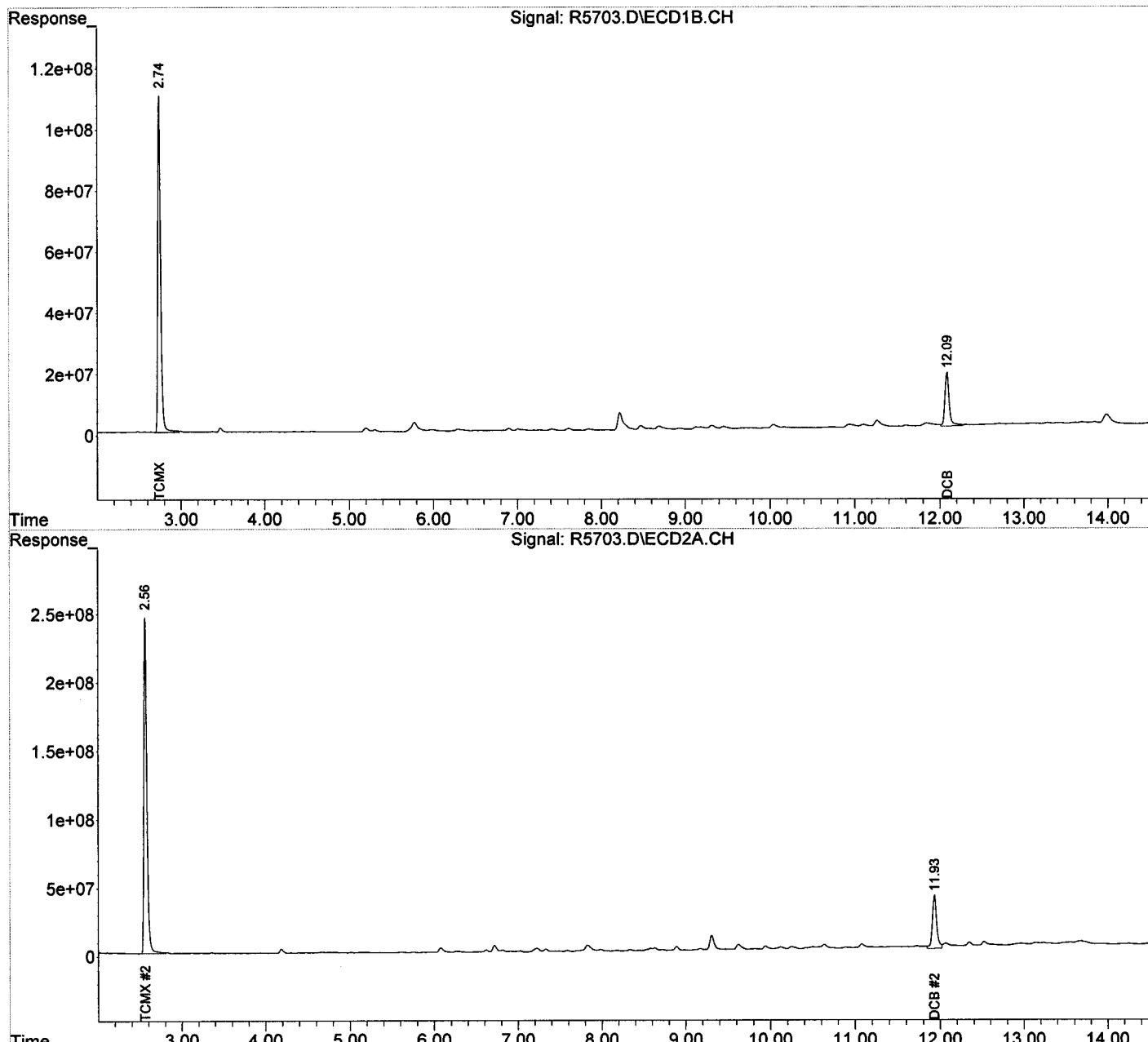
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.74	2.56	2619.7E6	6099.4E6	227.157	255.206
Spiked Amount	200.000				Recovery =	113.58% 127.60%
2) S DCB	12.08	11.93	625.8E6	1400.6E6	190.996	221.489
Spiked Amount	200.000				Recovery =	95.50% 110.74%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\12-04-13\
Data File : R5703.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 05 Dec 2013 3:02
Operator : JS
Sample : GG-47_(0,E13-11775-018,S,5.88g,8.10,20
Misc : 131204-08,12/04/13,11/25/13,1
ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 05 16:03:11 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1115.M
Quant Title :
QLast Update : Fri Nov 15 14:15:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\12-02-13\
 Data File : R5619.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 02 Dec 2013 19:07
 Operator : NG
 Sample : FB-38,E13-11775-019,A,1000ml,100,5
 Misc : 131127-12,11/27/13,11/25/13,1
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Dec 03 09:57:45 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB1115.M
 Quant Title :
 QLast Update : Fri Nov 15 14:15:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

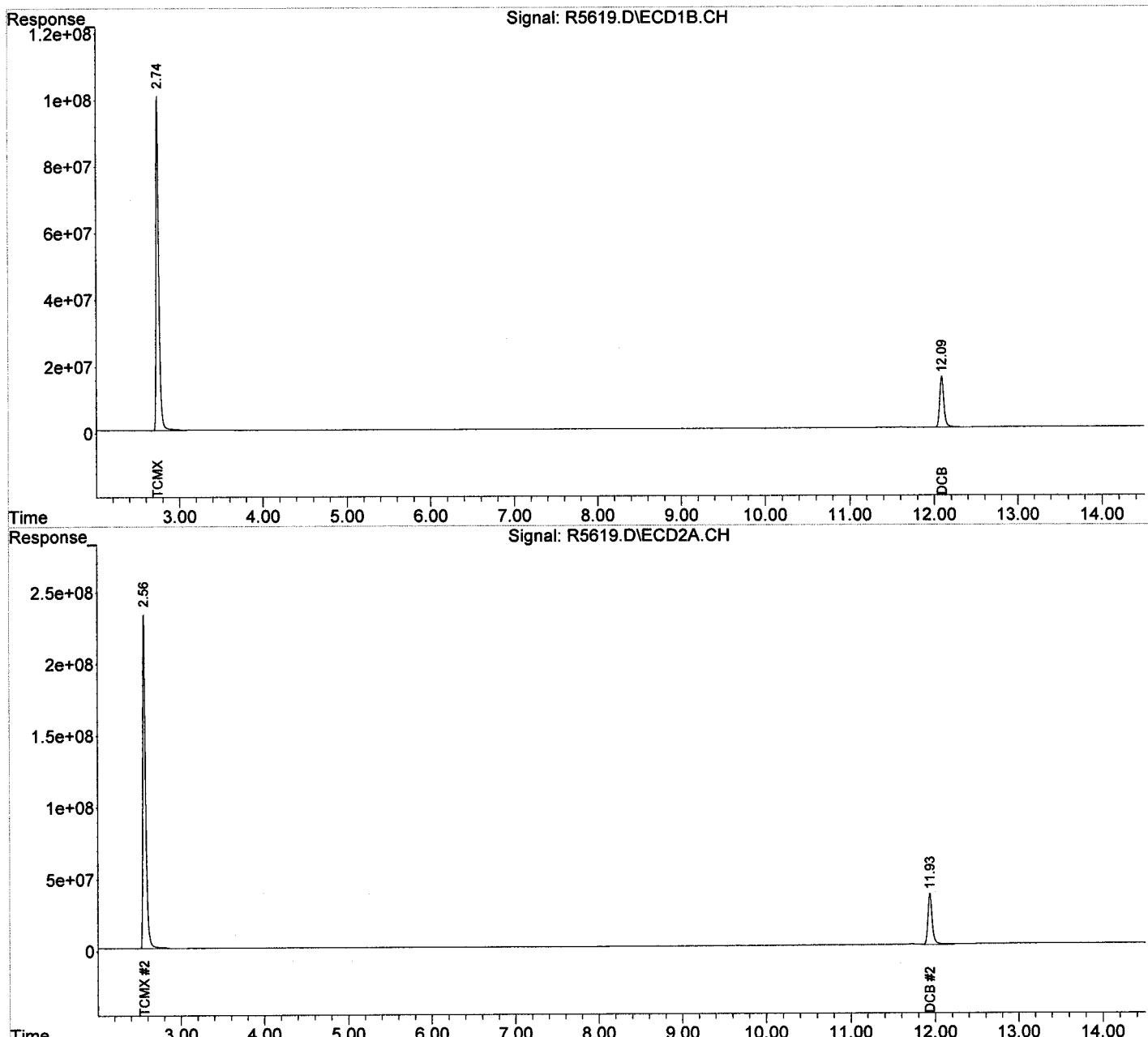
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.74	2.56	2284.0E6	5467.2E6	198.050	228.755
Spiked Amount	200.000			Recovery	= 99.03%	114.38%
2) S DCB	12.09	11.94	535.2E6	1304.0E6	163.360	206.212 #
Spiked Amount	200.000			Recovery	= 81.68%	103.11%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\12-02-13\
Data File : R5619.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Dec 2013 19:07
Operator : NG
Sample : FB-38,E13-11775-019,A,1000ml,100,5
Misc : 131127-12,11/27/13,11/25/13,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 03 09:57:45 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1115.M
Quant Title :
QLast Update : Fri Nov 15 14:15:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: BLKA131127-12
Client ID: PCB
Date Received: NA
Date Extracted: 11/27/2013
Date Analyzed: 12/02/2013
Data file: R5609.D

GC Column: DB-5/DB1701P
Sample wt/vol: 1000ml
Matrix-Units: Aqueous- μ g/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.050	0.020
Aroclor-1221	ND		0.050	0.020
Aroclor-1232	ND		0.050	0.020
Aroclor-1242	ND		0.050	0.020
Aroclor-1248	ND		0.050	0.020
Aroclor-1254	ND		0.050	0.020
Aroclor-1260	ND		0.050	0.020
Aroclor-1262	ND		0.050	0.020
Aroclor-1268	ND		0.050	0.020
PCBs	ND		0.050	0.020

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

Data Path : C:\MSDCHEM\1\DATA\12-02-13\
 Data File : R5609.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 02 Dec 2013 16:04
 Operator : NG
 Sample : PCB,BLKA131127-12,A,1000ml,100,5
 Misc : NA,11/27/13,NA,1
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Dec 02 16:19:49 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB1115.M
 Quant Title :
 QLast Update : Fri Nov 15 14:15:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

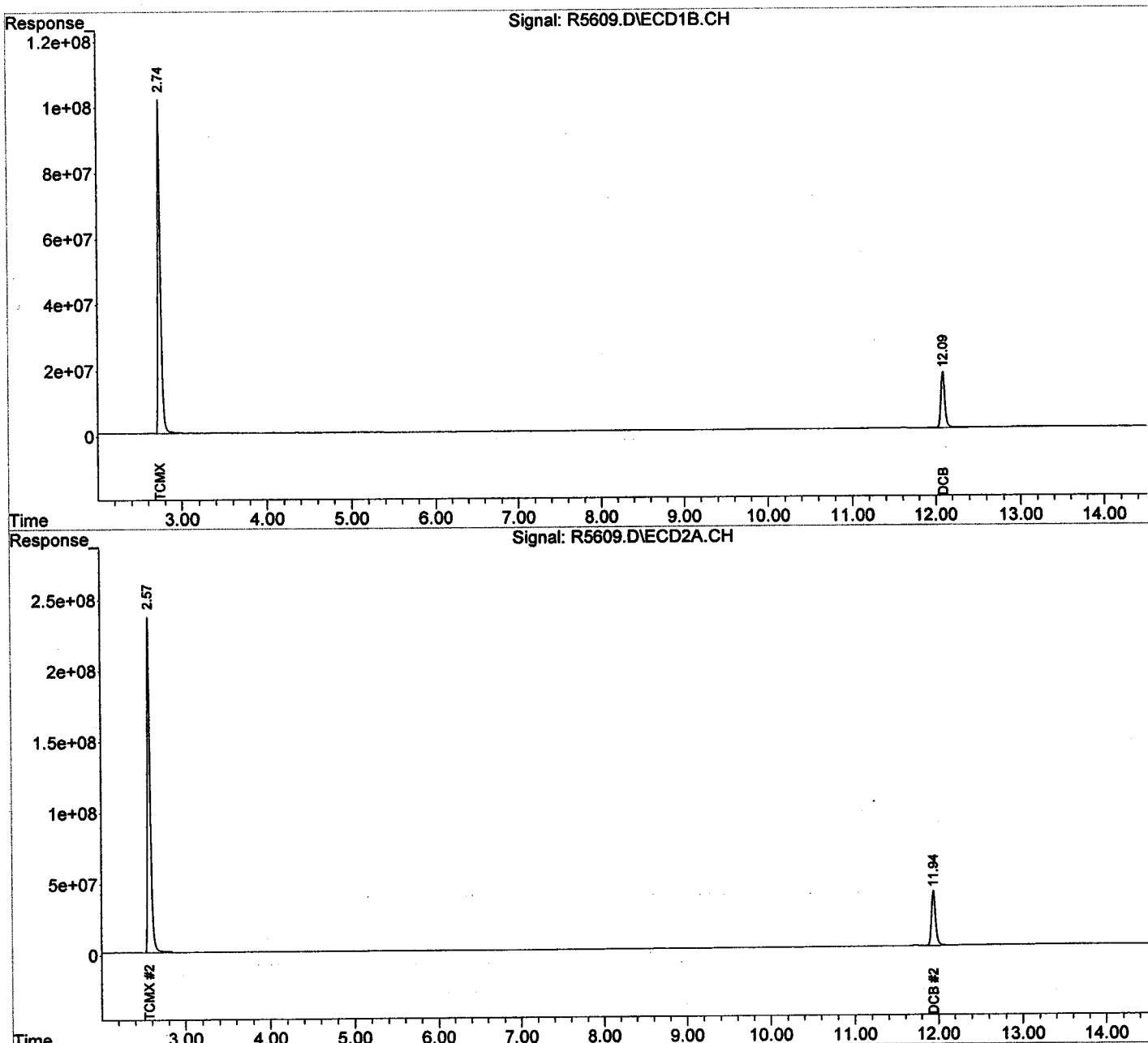
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.74	2.57	2316.5E6	5618.5E6	200.873	235.085
Spiked Amount	200.000			Recovery	=	100.44% 117.54%
2) S DCB	12.09	11.94	609.2E6	1330.5E6	185.943	210.408
Spiked Amount	200.000			Recovery	=	92.97% 105.20%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\12-02-13\
Data File : R5609.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Dec 2013 16:04
Operator : NG
Sample : PCB, BLKA131127-12,A,1000ml,100,5
Misc : NA,11/27/13,NA,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 02 16:19:49 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1115.M
Quant Title :
QLast Update : Fri Nov 15 14:15:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: BLKS131204-08

Client ID: PCB

Date Received: NA

Date Extracted: 12/04/2013

Date Analyzed: 12/04/2013

Data file: R5680.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: NA

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.040	0.016
Aroclor-1221	ND		0.040	0.016
Aroclor-1232	ND		0.040	0.016
Aroclor-1242	ND		0.040	0.016
Aroclor-1248	ND		0.040	0.016
Aroclor-1254	ND		0.040	0.016
Aroclor-1260	ND		0.040	0.016
Aroclor-1262	ND		0.040	0.016
Aroclor-1268	ND		0.040	0.016
PCBs	ND		0.040	0.016

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

Data Path : C:\MSDCHEM\1\DATA\12-04-13\
 Data File : R5680.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 04 Dec 2013 19:30
 Operator : JS
 Sample : PCB,BLKS131204-08,S,5g,0,20
 Misc : NA,12/04/13,NA,1
 ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Dec 05 13:51:54 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB1115.M
 Quant Title :
 QLast Update : Fri Nov 15 14:15:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.74	2.56	2682.9E6	6444.6E6	232.646	269.650
Spiked Amount	200.000				Recovery =	116.32% 134.82%
2) S DCB	12.09	11.93	655.2E6	1407.5E6	199.993	222.582
Spiked Amount	200.000				Recovery =	100.00% 111.29%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

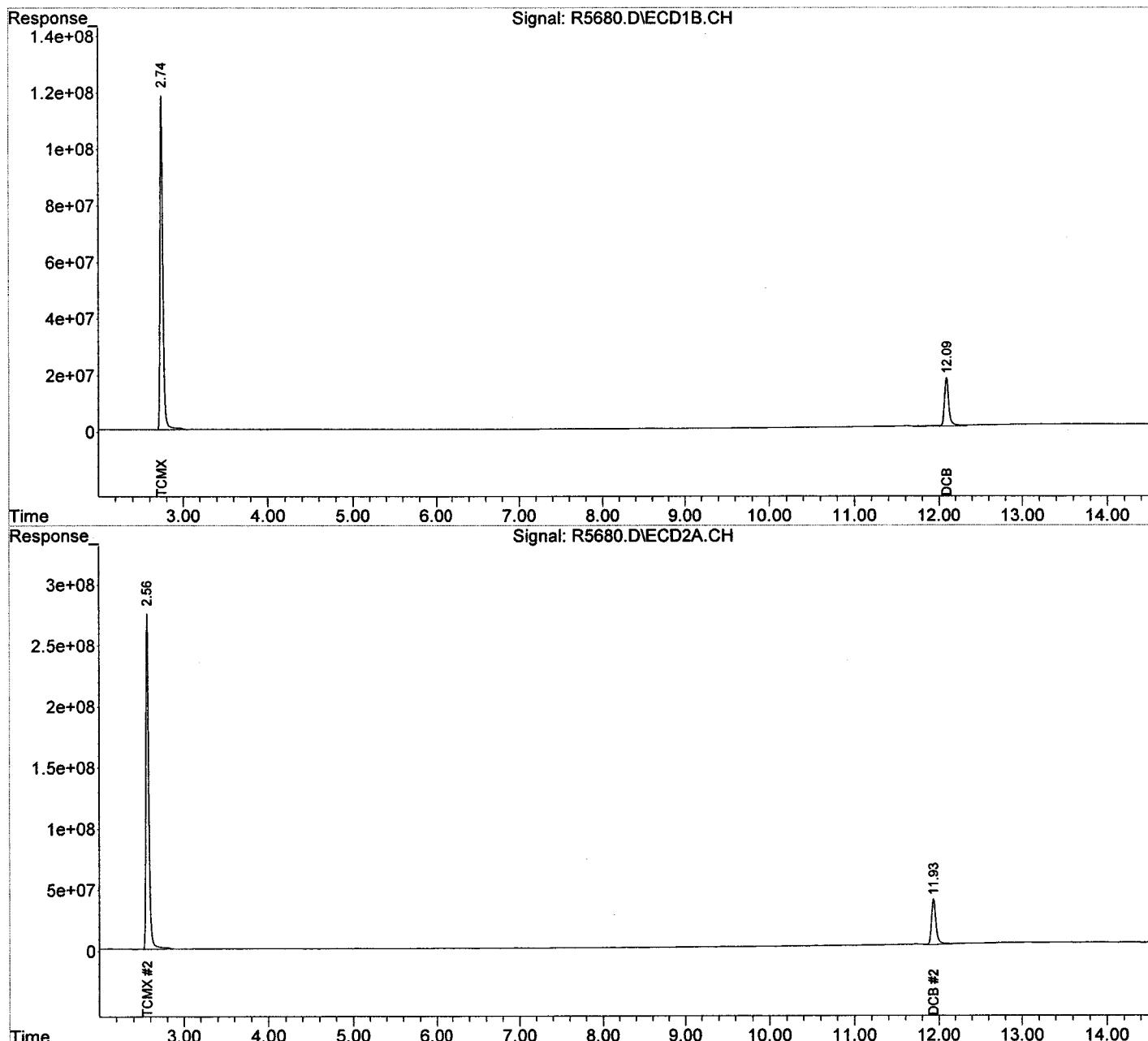
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\12-04-13\
Data File : R5680.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 04 Dec 2013 19:30
Operator : JS
Sample : PCB,BLKS131204-08,S,5g,0,20
Misc : NA,12/04/13,NA,1
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Dec 05 13:51:54 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1115.M
Quant Title :
QLast Update : Fri Nov 15 14:15:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



SAMPLE TRACKING



**Integrated Analytical Labs
273 Franklin Rd
Randolph, NJ 07869**

Contact Us: 973 361-4252
fax: 973 989-5288
Web: www.ialonline.com

CUSTOMER INFO

REPORTING INFO

Company: JMC Environmental Consultants, Inc.	REPORT TO:	James Clabby
Address: 2109 Bridge Ave., Bldg. B	Address:	same
Point Pleasant, NJ 07842		
Telephone #: (732) 295-2144	Attn:	
Fax #: (732) 295-2150	FAX #	(732) 295-2150
Project Manager: James Clabby	INVOICE TO:	Aceto Corp.
EMAIL Address: jclabby@jmceenvironmental.com	Address:	4 Tri Harbor Court
Sampler: Steve Kosch, Chris Cho		Port Washington, NY 11050
Project Name: Arsynco	(with copy to: JMC Environmental (attn.: J. Clabby))	
Project Location (State): NJ	Attn:	Ed Kelly
Bottle Order #:	PO # 22126	
Quote # : SR041205	Sample Matrix	

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

Carrier (check one): IAL Courier Client Courier FedEx/UPS

MDL Req: GWQS (11/05) - SRS - SRS/IGW - SRS Residential - OTHER (SEE COMMENTS)

Signature/Company	Date	Time	Signature/Company	Date	Time	Comments:
Relinquished by: <i>COLIN TAL</i>	11/25/13	15:30	Received by: <i>WILLIE LIAU</i>	11/25/13	15:30	
Relinquished by: <i>COLIN TAL</i>	11/25/13	17:05	Received by: <i>LIAU</i>	11/30/13	17:05	
Relinquished by:			Received by:			
Relinquished by:			Received by:			
Relinquished by:			Received by:			

LAB COPIES - WHITE & YELLOW: CLIENT COPY - PINE

Comments:

Lab Case #

PAGE: 1 of 3



Integrated Analytical Labs
273 Franklin Rd
Randolph, NJ 07869

Contact Us: 973 361-4252
fax: 973 989-5288
Web: www.ialonline.com

CUSTOMER INFO		REPORTING INFO		Turnaround Time (starts the following day if samples rec'd at lab > 5PM)																							
Company: JMC Environmental Consultants, Inc.	REPORT TO:	James Clabby		*Lab notification is required for RUSH TAT prior to sample arrival. RUSH TAT IS NOT GUARANTEED WITHOUT LAB APPROVAL. **RUSH SURCHARGES WILL APPLY IF ABLE TO ACCOMMODATE																							
Address: 2109 Bridge Ave., Bldg. B	Address:	same																									
Point Pleasant, NJ 08742																											
Telephone #: (732) 295-2144	Attn:																										
Fax #: (732) 295-2150	FAX # (732) 295-2150																										
Project Manager: James Clabby	INVOICE TO:	Aceto Corp.																									
EMAIL Address: jclabby@jmcevironmental.com	Address:	4 Tri Harbor Court																									
Sampler: Steve Kosch, Chris Cho	Port Washington, NY 11050																										
Project Name: Arsynco	(with copy to: JMC Environmental (attn.: J. Clabby))																										
Project Location (State): NJ	Attn: Ed Kelly																										
Bottle Order #:	PO # 22126																										
Quote #: SR041205																											
SAMPLE INFORMATION												ANALYTICAL PARAMETERS										# BOTTLES & PRESERVATIVES					
Sample Matrix DW - Drinking Water AQ - Aqueous WW - Waste Water OI - Oil LIQ - Liquid (Specify) OT - Other (Specify) S - Soil SL - Sludge SOL - Solid W - Wipe																						HCl	HNO ₃	MeOH	H ₂ SO ₄	NaOH/ZNAc	Sterile
Client ID	Depth (ft only)	Date	Time	Matrix	# container s	IAL #	TCL PCB (8092)	PCB Held																			
		11/25/13	11:35	S	1	9	x																				
		CT-4C (1.0-2.0)		11:37	S	1	10	x	x																		
		DD-4C (2.0-3.0)		12:15	S	1	11	x																			
		DD-4C (1.0-2.0)		12:16	S	1	12	x	x																		
		FF-45E (0.0-3.0)		1:28	S	1	13	x																			
		FF-45E (0.0-3.0)		1:29	S	1	14	x	x																		
		FF-45S (3.0-4.0)		1:55	S	1	15	x																			
		FF-45S (3.0-4.0)		1:57	S	1	16	x	x																		
Known Hazard: Yes or No		Describe:		Conc. Expected:		Low	Med	High	MDL Req: GWQS (11/05) - SRS - SRS/IGW - SRS Residential - OTHER (SEE COMMENTS)																		

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

Carrier (check one): <input type="checkbox"/> IAL Courier <input type="checkbox"/> Client Courier <input type="checkbox"/> FedEx/UPS					
Signature/Company	Date	Time	Signature/Company	Date	Time
Relinquished by: <i>Steve Kosch IAL</i>	11/25/13	15:30	Received by: <i>W. Kelly IAL</i>	11/25/13	15:30
Relinquished by: <i>Steve Kosch IAL</i>	11/25/13	17:05	Received by: <i>W. Kelly IAL</i>	11/25/13	17:05
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

Comments:
Lab Case #
11775
PAGE: 2 of 3



**Integrated Analytical Labs
273 Franklin Rd
Randolph, NJ 07869**

Contact Us: 973 361-4252
fax: 973 989-5288
Web: www.ialonline.com

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

Carrier (check one): <input type="checkbox"/> IAL Courier <input type="checkbox"/> Client Courier <input type="checkbox"/> FedEx/UPS			
Signature/Company	Date	Time	Signature/Company
Relinquished by: 	11/25/13	15:30	Received by: 
Relinquished by: 	11/25/13	17:05	Received by: 
Relinquished by:			Received by:
Relinquished by:			Received by:
Relinquished by:			Received by:

Comments:

Lab Case #

PAGE: 3 of 3

LAB COPIES - WHITE & YELLOW: CLIENT COPY - PINE

PROJECT INFORMATION

E13-11775: ARSYNCO

To: Jim Clabby
 JMC Environmental Consultants
 Fax: 1(732) 295-2150
 EMail: jclabby@jmcenvironmental.com; ah

Report To

JMC Environmental Consultants
 2109 Bridge Avenue
 Building B
 Point Pleasant, NJ 08742
 Attn: Jim Clabby

Bill To

JMC Environmental Consultants
 Aceto Corp.
 4 Tri Harbor Court
 Port Washington, NJ 11050
 Attn: Mr. Ed Kelly

Report Format	P.O. #	Received At Lab	TPHC Due	Verbal Due	Hardcopy Due
Reduced	22126	Nov 25, 2013 @ 17:05	NA	Dec 20, 2013	Dec 30, 2013 *

* Any *Conditional or Hold* status will delay final hardcopy report sent date.

Diskette Req. SRP TXT

**** QC Requirement (must meet): NJ SRS**

Lab ID	Client Sample ID	Depth	Sampling Time	Matrix	Unit	Field pH/Temp
11775-001	HH-40 (2.0-3.0)	2/3	11/25/13@09:25	Soil	mg/Kg (ppm)	
11775-002	HH-40 (3.0-4.0)	3/4	11/25/13@09:26	Soil	mg/Kg (ppm)	
11775-003	HH-44 (2.0-3.0)	2/3	11/25/13@09:56	Soil	mg/Kg (ppm)	
11775-004	HH-44 (3.0-4.0)	3/4	11/25/13@09:58	Soil	mg/Kg (ppm)	
11775-005	BB-48 (2.0-3.0)	2/3	11/25/13@10:30	Soil	mg/Kg (ppm)	
11775-006	BB-48 (3.0-4.0)	3/4	11/25/13@10:31	Soil	mg/Kg (ppm)	
11775-007	AA-49 (1.0-2.0)	1/2	11/25/13@10:56	Soil	mg/Kg (ppm)	
11775-008	AA-49 (0-1.0)	0/1	11/25/13@10:55	Soil	mg/Kg (ppm)	
11775-009	CC-46 (1.0-2.0)	1/2	11/25/13@11:35	Soil	mg/Kg (ppm)	
11775-010	CC-46 (2.0-3.0)	2/3	11/25/13@11:37	Soil	mg/Kg (ppm)	
11775-011	DD-46 (1.0-2.0)	1/2	11/25/13@12:15	Soil	mg/Kg (ppm)	
11775-012	DD-46 (2.0-3.0)	2/3	11/25/13@12:16	Soil	mg/Kg (ppm)	
11775-013	FF-45E (2.0-3.0)	2/3	11/25/13@13:28	Soil	mg/Kg (ppm)	
11775-014	FF-45E (3.0-4.0)	3/4	11/25/13@13:29	Soil	mg/Kg (ppm)	
11775-015	FF-45S (2.0-3.0)	2/3	11/25/13@13:55	Soil	mg/Kg (ppm)	
11775-016	FF-45S (3.0-4.0)	3/4	11/25/13@13:57	Soil	mg/Kg (ppm)	
11775-017	FF-46 (2.0-3.0)	2/3	11/25/13@14:18	Soil	mg/Kg (ppm)	
11775-018	GG-47 (0-1.0)	0/1	11/25/13@14:48	Soil	mg/Kg (ppm)	
11775-019	FB-38	NA	11/25/13@15:05	Aqueous	mg/L (ppm)	

Sample #	Test	Status	QA Method	TAT	Holding Time Expires
001	TCL PCB	Analyze	8082A	STD/2 WKS	12/9/2013
002	TCL PCB Extract & Hold(PCB)	Analyze	8082A	STD/2 WKS	12/9/2013
003	TCL PCB	Analyze	8082A	STD/2 WKS	12/9/2013

PROJECT INFORMATION

E13-11775: ARSYNCO

Sample #	Test	Status	QA Method	TAT	Holding Time Expires
004	TCL PCB	Cancel	8082A	STD/2 WKS	12/9/2013
	Extract & Hold(PCB)	Analyze	8082A	STD/2 WKS	12/9/2013
005	TCL PCB	Analyze	8082A	STD/2 WKS	12/9/2013
006	TCL PCB	Cancel	8082A	STD/2 WKS	12/9/2013
	Extract & Hold(PCB)	Analyze	8082A	STD/2 WKS	12/9/2013
007	TCL PCB	Analyze	8082A	STD/2 WKS	12/9/2013
	Extract & Hold(PCB)	Analyze	8082A	STD/2 WKS	12/9/2013
008	TCL PCB	Analyze	8082A	STD/2 WKS	12/9/2013
009	TCL PCB	Analyze	8082A	STD/2 WKS	12/9/2013
010	TCL PCB	Analyze	8082A	STD/2 WKS	12/9/2013
	Extract & Hold(PCB)	Analyze	8082A	STD/2 WKS	12/9/2013
011	TCL PCB	Analyze	8082A	STD/2 WKS	12/9/2013
012	TCL PCB	Analyze	8082A	STD/2 WKS	12/9/2013
	Extract & Hold(PCB)	Analyze	8082A	STD/2 WKS	12/9/2013
013	TCL PCB	Analyze	8082A	STD/2 WKS	12/9/2013
014	TCL PCB	Cancel	8082A	STD/2 WKS	12/9/2013
	Extract & Hold(PCB)	Analyze	8082A	STD/2 WKS	12/9/2013
015	TCL PCB	Analyze	8082A	STD/2 WKS	12/9/2013
016	TCL PCB	Analyze	8082A	STD/2 WKS	12/9/2013
	Extract & Hold(PCB)	Analyze	8082A	STD/2 WKS	12/9/2013
017	TCL PCB	Analyze	8082A	STD/2 WKS	12/9/2013
	Extract & Hold(PCB)	Analyze	8082A	STD/2 WKS	12/9/2013
018	TCL PCB	Analyze	8082A	STD/2 WKS	12/9/2013
019	TCL PCB	Analyze	8082A	STD/2 WKS	12/2/2013

Project Notes:

REV 1 taken by kim on 12/06/2013 04:07

REV 01 DUE 12/20

PER CHRIS CHO, ACTIVATE SAMPLES 007, 010 & 012 FOR TCL PCBS, STANDARD TURNAROUND.

SAMPLES WERE PREVIOUSLY EXTRACTED.

OTHERS REMAIN ON HOLD.

REV 2 taken by kim on 12/17/2013 05:01

REV 02 DUE 1/2/14

PER STEVE KOSCH, ACTIVATE SAMPLES 002, 016 & 017 FOR TCL PCBS, STANDARD TURNAROUND.

SAMPLES WERE PREVIOUSLY EXTRACTED.

OTHERS REMAIN ON HOLD.

REV 3 taken by melissa on 12/30/2013 09:52

PER CHRIS CHO, CANCEL SAMPLE 014. SAMPLES 004 & 005 REMAIN ON HOLD.

PROJECT INFORMATION**E13-11775: ARSYNCO****REV 4 taken by Evan on 01/22/2014 03:23**

As per Jim Clabby, cancel TCL PCB for sample # 4,6

INTEGRATED ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIPT VERIFICATION

CASE NO: E 13

11775

CLIENT:

JMC

COOLER TEMPERATURE: 2° - 6°C:

(See Chain of Custody)

Comments

COC: **COMPLETE** / INCOMPLETE

KEY

 = YES/NA = NOVOA received: Encore IGW - Methanol(check one) Terra Core No Preservative

- Bottles Intact
- no-Missing Bottles
- no-Extra Bottles

- Sufficient Sample Volume
- no-headspace/bubbles in VOs
- Labels intact/correct
- pH Check (exclude VOs)¹
- Correct bottles/preservative
- Sufficient Holding/Prep Time¹

- Multiphasic Sample
Sample to be Subcontracted
 Chain of Custody is Clear

¹ All samples with "Analyze Immediately" holding times will be analyzed by this laboratory past the holding time. This includes but is not limited to the following tests: pH, Temperature, Free Residual Chlorine, Total Residual Chlorine, Dissolved Oxygen, Sulfite.

ADDITIONAL COMMENTS: _____

SAMPLE(S) VERIFIED BY:

INITIAL

AR

DATE

11/25/17

CORRECTIVE ACTION REQUIRED:

YES

(SEE BELOW)

NO

If COC is **NOT** clear, **STOP** until you get client to authorize/clarify work.

CLIENT NOTIFIED:

YES

Date/ Time:

NO

PROJECT CONTACT:

SUBCONTRACTED LAB:

DATE SHIPPED:

ADDITIONAL COMMENTS:

VERIFIED/TAKEN BY:

INITIAL

KJ

DATE

11/26/13

REV 03/2013

E13-11775 0122

Laboratory Custody Chronicle

IAL Case No.

E13-11775

Client JMC Environmental Consultants

Project ARSYNCO

Received On 11/25/2013@17:05

Department: GC

			<u>Prep. Date</u>	<u>Analyst</u>	<u>Analysis Date</u>	<u>Analyst</u>
TCL PCB	11775-001	Soil	12/ 4/13	Archimede	12/ 5/13	Justyna
"	-002	"	12/ 4/13	Archimede	12/ 4/13	Justyna
"	-003	"	12/ 4/13	Archimede	12/ 5/13	Justyna
"	-005	"	12/ 4/13	Archimede	12/ 5/13	Justyna
"	-007	"	12/ 4/13	Archimede	12/ 4/13	Nicole
"	-008	"	12/ 4/13	Archimede	12/ 5/13	Justyna
"	-009	"	12/ 4/13	Archimede	12/ 5/13	Justyna
"	-010	"	12/ 4/13	Archimede	12/ 4/13	Nicole
"	-011	"	12/ 4/13	Archimede	12/ 5/13	Justyna
"	-012	"	12/ 4/13	Archimede	12/ 4/13	Nicole
"	-013	"	12/ 4/13	Archimede	12/ 5/13	Justyna
"	-015	"	12/ 4/13	Archimede	12/ 5/13	Justyna
"	-016	"	12/ 4/13	Archimede	12/ 4/13	Justyna
"	-017	"	12/ 4/13	Archimede	12/ 4/13	Justyna
"	-018	"	12/ 4/13	Archimede	12/ 5/13	Justyna
"	-019	Aqueous	11/27/13	Archimede	12/ 2/13	Nicole